

## NOTICE OF OFFICE OF MANAGEMENT AND BUDGET ACTION

Madeleine Clayton 11/07/2001  
Departmental Forms Clearance Officer  
Office of the Chief Information Officer  
14th and Constitution Ave. NW.  
Room 6086  
Washington, DC 20230

In accordance with the Paperwork Reduction Act, OMB has taken the following action on your request for the extension of approval of an information collection received on 09/10/2001.

TITLE: Marine Recreational Fishery Statistics Survey

AGENCY FORM NUMBER(S): None

ACTION : APPROVED

OMB NO.: 0648-0052

EXPIRATION DATE: 11/30/2004

BURDEN	RESPONSES	BURDEN HOURS	BURDEN COSTS
Previous	626,996	27,207	0
New	770,504	34,887	0
Difference	143,508	7,680	0
Program Change		7,680	0
Adjustment		0	0

TERMS OF CLEARANCE: None

NOTE: The agency is required to display the OMB control number and inform respondents of its legal significance (see 5 CFR 1320.5(b)).

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OMB Authorizing Official Title

Donald R. Arbuckle Deputy Administrator, Office of  
Information and Regulatory Affairs

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# PAPERWORK REDUCTION ACT SUBMISSION

**Please read the instructions before completing this form. For additional forms or assistance in completing this form, contact your agency's Paperwork Clearance Officer. Send two copies of this form, the collection instrument to be reviewed, the supporting statement, and any additional documentation to: Office of Information and Regulatory Affairs, Office of Management and Budget, Docket Library, Room 10102, 725 17th Street NW, Washington, DC 20503.**

1. Agency/Subagency originating request	2. OMB control number <span style="float: right;">b. <input type="checkbox"/> None</span> a. _____ - _____
3. Type of information collection ( <i>check one</i> ) a. <input type="checkbox"/> New Collection b. <input type="checkbox"/> Revision of a currently approved collection c. <input type="checkbox"/> Extension of a currently approved collection d. <input type="checkbox"/> Reinstatement, without change, of a previously approved collection for which approval has expired e. <input type="checkbox"/> Reinstatement, with change, of a previously approved collection for which approval has expired f. <input type="checkbox"/> Existing collection in use without an OMB control number For b-f, note Item A2 of Supporting Statement instructions	4. Type of review requested ( <i>check one</i> ) a. <input type="checkbox"/> Regular submission b. <input type="checkbox"/> Emergency - Approval requested by _____ / _____ / _____ c. <input type="checkbox"/> Delegated
	5. Small entities Will this information collection have a significant economic impact on a substantial number of small entities? <input type="checkbox"/> Yes <input type="checkbox"/> No
	6. Requested expiration date a. <input type="checkbox"/> Three years from approval date b. <input type="checkbox"/> Other Specify: _____ / _____
7. Title	
8. Agency form number(s) ( <i>if applicable</i> )	
9. Keywords	
10. Abstract	
11. Affected public ( <i>Mark primary with "P" and all others that apply with "x"</i> ) a. <input type="checkbox"/> Individuals or households d. <input type="checkbox"/> Farms b. <input type="checkbox"/> Business or other for-profit e. <input type="checkbox"/> Federal Government c. <input type="checkbox"/> Not-for-profit institutions f. <input type="checkbox"/> State, Local or Tribal Government	12. Obligation to respond ( <i>check one</i> ) a. <input type="checkbox"/> Voluntary b. <input type="checkbox"/> Required to obtain or retain benefits c. <input type="checkbox"/> Mandatory
13. Annual recordkeeping and reporting burden a. Number of respondents _____ b. Total annual responses _____ 1. Percentage of these responses collected electronically _____ % c. Total annual hours requested _____ d. Current OMB inventory _____ e. Difference _____ f. Explanation of difference 1. Program change _____ 2. Adjustment _____	14. Annual reporting and recordkeeping cost burden ( <i>in thousands of dollars</i> ) a. Total annualized capital/startup costs _____ b. Total annual costs (O&M) _____ c. Total annualized cost requested _____ d. Current OMB inventory _____ e. Difference _____ f. Explanation of difference 1. Program change _____ 2. Adjustment _____
15. Purpose of information collection ( <i>Mark primary with "P" and all others that apply with "X"</i> ) a. <input type="checkbox"/> Application for benefits e. <input type="checkbox"/> Program planning or management b. <input type="checkbox"/> Program evaluation f. <input type="checkbox"/> Research c. <input type="checkbox"/> General purpose statistics g. <input type="checkbox"/> Regulatory or compliance d. <input type="checkbox"/> Audit	16. Frequency of recordkeeping or reporting ( <i>check all that apply</i> ) a. <input type="checkbox"/> Recordkeeping b. <input type="checkbox"/> Third party disclosure c. <input type="checkbox"/> Reporting 1. <input type="checkbox"/> On occasion 2. <input type="checkbox"/> Weekly 3. <input type="checkbox"/> Monthly 4. <input type="checkbox"/> Quarterly 5. <input type="checkbox"/> Semi-annually 6. <input type="checkbox"/> Annually 7. <input type="checkbox"/> Biennially 8. <input type="checkbox"/> Other (describe) _____
17. Statistical methods Does this information collection employ statistical methods <input type="checkbox"/> Yes <input type="checkbox"/> No	18. Agency Contact (person who can best answer questions regarding the content of this submission)  Name: _____ Phone: _____

## 19. Certification for Paperwork Reduction Act Submissions

On behalf of this Federal Agency, I certify that the collection of information encompassed by this request complies with 5 CFR 1320.9

**NOTE:** The text of 5 CFR 1320.9, and the related provisions of 5 CFR 1320.8(b)(3), appear at the end of the instructions. *The certification is to be made with reference to those regulatory provisions as set forth in the instructions.*

The following is a summary of the topics, regarding the proposed collection of information, that the certification covers:

- (a) It is necessary for the proper performance of agency functions;
- (b) It avoids unnecessary duplication;
- (c) It reduces burden on small entities;
- (d) It used plain, coherent, and unambiguous terminology that is understandable to respondents;
- (e) Its implementation will be consistent and compatible with current reporting and recordkeeping practices;
- (f) It indicates the retention period for recordkeeping requirements;
- (g) It informs respondents of the information called for under 5 CFR 1320.8(b)(3):
  - (i) Why the information is being collected;
  - (ii) Use of information;
  - (iii) Burden estimate;
  - (iv) Nature of response (voluntary, required for a benefit, mandatory);
  - (v) Nature and extent of confidentiality; and
  - (vi) Need to display currently valid OMB control number;
- (h) It was developed by an office that has planned and allocated resources for the efficient and effective management and use of the information to be collected (see note in Item 19 of instructions);
- (i) It uses effective and efficient statistical survey methodology; and
- (j) It makes appropriate use of information technology.

If you are unable to certify compliance with any of the provisions, identify the item below and explain the reason in Item 18 of the Supporting Statement.

Signature of Senior Official or designee

Date

Agency Certification (signature of Assistant Administrator or head of MB staff for L.O.s, or of the Director of a Program or Staff Office)	
Signature	Date
Signature of NOAA Clearance Officer	
Signature	Date

**SUPPORTING STATEMENT  
MARINE RECREATIONAL FISHERY STATISTICS SURVEY  
OMB CONTROL NO. 0648-0052**

**A. JUSTIFICATION**

**1. Explain the circumstances that make the collection of information necessary.**

Collection of these data is necessary to fulfill statutory requirements of Section 303 of the Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. 1852 et. seq.; Attachment 1), to meet administrative requirements of the NMFS Marine Recreational Fishery Policy (Attachment 2), and to comply with Executive Order 12962 on Recreational Fisheries (Attachment 3). Section 303 (a) of the Magnuson-Stevens Act specifies data and analyses to be included in Fishery Management Plans (FMP's), as well as pertinent data which shall be submitted to the Secretary of Commerce under the plan. Recommendation One of the NMFS Marine Recreational Fishery (MRF) Policy focuses on developing "a comprehensive data acquisition and analysis system (participation, catch, effort and socio-economic data) on a regular, continuing basis".

In the past, it was thought that commercial fisheries took the greater part of the fishery catch in the marine waters of the United States. However most species of fish in estuarine and inshore areas, as well as in many open ocean waters, are harvested by both commercial and recreational fishermen. Recent data indicate that catches by the marine recreational fishery are a significant portion of the total landings of many marine species. Therefore, it is essential to monitor both the commercial and recreational components of the fishery on a continuing basis.

This request includes several data collection components for the Marine Recreational Fishery Statistics Program. These are detailed in answer #12 below. The Marine Recreational Fishery Statistics Survey makes up the core of the Agency's recreational fishery data collection efforts. Implementation of the new components and sampling levels for the previously approved survey components will depend on fiscal year funding.

**2. Explain how, by whom, how frequently, and for what purpose the information will be used.**

The data are used by the NMFS, regional fishery management councils, interstate marine fisheries commissions, and state fishery agencies in developing, implementing and monitoring fishery management programs. Failure to conduct these data collections would prevent the Secretary from meeting statutory requirements of the Magnuson-Stevens Act of 1996. In addition, the NMFS would be unable to implement Recommendation One of its Marine Recreational Fishery (MRF) Policy with a resulting loss in service and credibility to the MRF constituency.

Catch and effort statistics are fundamental for assessing the influence of fishing on any stock of fish. The quantities taken, the fishing effort, and both the seasonal and geographic distributions of the catch and effort are required for the development of regional management policies and plans. Accurate and timely catch statistics collected over the range of a species must be used in association with biological studies to perform the stock assessments necessary for monitoring the effectiveness of fishery management planning for optimum yield. Several fish species are now being managed under FMP quota systems which include recreational fishery components. For example, this collection has been the key source of data used to monitor recreational quotas for the harvest of red snapper, king mackerel and Spanish mackerel in the Southeast Region. This collection provides coastwide information on quantity, species composition, and size distribution of catch. Such information is not available from any other source. For example, catch distributions and harvested size distributions obtained in this data collection have formed the basis of FMP's developed for bluefish, red drum, red snapper, summer flounder, weakfish, winter flounder, and other key species targeted by the marine recreational fishery.

**3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological techniques or other forms of information technology.**

The methodological approach for the MRFSS has been developed and refined over 23 years, employing the experience of NMFS statisticians and contractors in statistical sampling and survey methods. State-of-the-art interviewing methods have been used to minimize response times. None of the surveys included in this submission can be submitted via the Worldwide Web. Most of the proposed data collections require interviewer-mediated reporting of data by respondents in order to minimize item non-response and maximize accuracy of the collected data and statistics estimated from those data. Proposed telephone surveys require use of computer-assisted telephone interviewing (CATI) methods which greatly reduce response errors and data entry errors.

**4. Describe efforts to identify duplication.**

The NMFS has the lead Federal responsibility for collection of data from marine recreational fishermen and coordinates MRF informational needs with other agencies. For example, in 1987 the NMFS coordinated an economic study of marine recreational anglers on the Atlantic Coast with the Environmental Protection Agency. Also the NMFS has worked with State fishery agencies each year to coordinate data collection efforts and avoid duplication. In some cases, the NMFS employs State personnel under contract to conduct field interviewing. The Survey is not conducted in Texas, since existing Texas-sponsored surveys provide the information that would have been obtained by the NMFS.

Specialized NMFS data collections, such as the Large Pelagics Survey (LPS), which obtains information on recreational catch of large pelagic species, such as tunas, billfishes and pelagic sharks, overlap to a minor extent with the MRFSS and its related data collections. Such overlap is minimal because the MRFSS is designed to cover marine recreational fishing for all finfish species. Contacts with anglers who fished for large pelagic species are relatively rare in the

MRFSS samples, hence very few respondents would be contacted by both the LPS and the MRFSS. Anglers who fish for large pelagic species, but also fish for other species, are not excluded from the MRFSS sampling because representative sampling of their fishing trips in relation to other marine recreational angler fishing trips is necessary to avoid biasing catch estimates for any given species.

In some states, NMFS has required anglers to report their catches of Atlantic bluefin tuna for the purpose of real-time quota monitoring. Although that data collection overlaps to a minor extent with the MRFSS, it does not collect information on the other finfish species caught on bluefin tuna fishing trips. That specialized data collection places a priority on obtaining up-to-date catch information on only one species. On the other hand, the MRFSS is designed to obtain accurate marine recreational fishery catch information for all finfish species. Therefore, the minimal overlap is necessary.

**5. If the collection of information involves small businesses or other small entities, describe the methods used to minimize burden.**

Charter and party boat businesses will be respondents to a coast-wide vessel directory telephone survey of fishing effort by the charter and party boat recreational fisheries. The survey instrument for this survey has been restricted in length to minimize response time per interview, and randomized sampling will distribute both telephone and intercept reporting burdens randomly among individual charter or party boat operators. Pre-contact letters will be mailed to inform potential respondents that they have been randomly selected for an interview and to let them know when they will be contacted for that interview. Interviewed charter or party boat operators will be asked to specify preferred calling times and those times will be used for future contact attempts to minimize disruption of their daily activities. State-of-the-art interviewing methods will also be used to minimize response times.

**6. Describe the consequences to the Federal program or policy activities if the collection is not conducted or is conducted less frequently.**

An annual survey of recreational anglers is required to monitor changing conditions in the fishery and support modifications in fishery regulations for each fishing year. A continuous time series of data is scientifically essential. Start up costs in hiring and training of interviewers and in overhauling of the site selection frame for biannual surveys would greatly exceed the budgeted amount for the Survey, and reduce funds available to collect sufficient interviews to meet statistical objectives.

**7. Explain any special circumstances that require the collection to be conducted in a manner inconsistent with OMB guidelines.**

The collection is consistent with OMB guidelines.

**8. Provide a copy of the PRA Federal Register notice that solicited public comments on the information collection prior to this submission. Summarize the public comments received in response to that notice and describe the actions taken by the agency in response to those comments. Describe the efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.**

A Federal Register Notice (Attachment 4) solicited public comment on this renewal. No comments were received.

Consultations with other Federal and State agencies occur continuously throughout the survey year. Regional Councils, Interstate Marine Fisheries Commissions and the Marine Fishery Advisory Committee (a Federally-chartered advisory group) receive regular briefings on the MRFSS and make recommendations as appropriate.

Individual respondents are provided with the name and telephone number of the MRFSS team leader if they wish to comment or receive additional information. Attachment 5 includes statements of mean individual response times that are mailed upon request to survey respondents.

**9. Explain any decisions to provide payments or gifts to respondents, other than remuneration of contractors or grantees.**

No payments nor gifts to respondents, other than remuneration of contractors, are given under this program.

**10. Describe any assurance or confidentiality provided to respondents and the basis for assurance in statute, regulation, or agency policy.**

Responses are Privacy Act records and are included in the Commerce/NOAA-6: Fisherman's Statistical Data system of records. Collection, handling and disposition of data are consistent with NAO 216-100: Confidential Fisheries Statistics.

**11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private.**

No sensitive questions are asked.

**12. Provide an estimate in hours of the burden of the collection of information.**

- (a) **Base telephone survey of fishing effort** (Revised based on incorporation of previously approved Caribbean and Western Pacific telephone survey sampling and increased

sampling targets for the Northeast, Southeast, Pacific, Western Pacific, and Caribbean Regions.)

	Contacts	Persons	Mean Time (min.)	Total Time (min.)
Non-households	72,354*	72,354	0.5	36,177
Non-fishing Households	375,833	375,833	1.0	375,833
Fishing Households	34,167**	49,542***	7.0	346,794
TOTALS	482,354	497,729		758,804 (12,647 hrs.)

\* About 15% of all random-digit-dialing contacts are expected to be non-household contacts. The other 85% are expected to be residential households. Therefore, 72,354 non-household contacts are expected in order to achieve the sampling goal of 410,000 household contacts.

\*\* An estimated 8.3335% of the targeted 410,000 household contacts are expected to be with households whose residents fished within the last two months.

\*\*\* Contacted fishing households are expected to have an average of 1.45 anglers who will be interviewed to collect fishing effort data.

- (b) **Base intercept survey of catch per unit fishing effort** (Revised based on incorporation of previously approved Caribbean and Western Pacific intercept survey sampling and increased sampling targets for the Northeast, Southeast, Pacific, Western Pacific, and Caribbean Regions.)

	Eligible Angler Contacts	Mean Time (min.)	Total Time (min.)
Intercept Interviews	150,000	4.5	675,000
Verification Calls (10%)	15,000	1.5	22,500
TOTALS	165,000		697,500 (11,625 hrs.)

- (c) **Extension of base telephone survey to collect economic data** once every three years in Northeast, Southeast, and Pacific Regions (Revision based on sample size increases needed for improved precision on economic statistics.)

	Persons	Mean Time (min.)	Annual Frequency	Total Time (min.)
Non-Fishing Households	32,633*	3.0	1/3 yrs	32,633

Fishing Households	29,667	3.0	1/3 yrs	29,667
TOTALS	62,300			62,300 (1,038 hrs.)

\* Based on 10% sampling of estimated 326,332 non-fishing households contacted by Base Telephone Survey in Northeast, Southeast, and Pacific Regions.

- (d) **Extension of base intercept survey to collect economic data.** Annual collection of minimal economic data through extended interviews of intercepted anglers and collection of more detailed data through follow-up telephone interviews once every three years in Northeast, Southeast, and Pacific Regions. (Revision based on sample size increases needed for improved precision on economic statistics.)

	Eligible Anglers	Mean Time (min.)	Annual Frequency	Total Time ( min.)
Extended Intercept Interviews	135,850*	1.0	1/yr	135,850
Follow-Up Telephone Interviews	50,050**	7.0	1/3 yrs	116,783
TOTALS	185,900			252,633 (4,211 hrs.)

\* Based on 95% of the estimated 143,000 intercepted anglers in the Northeast, Southeast, and Pacific Regions responding to add-on economic questions.

\*\* Based on 35% of intercepted anglers responding to follow-up telephone survey.

- (e) **Vessel directory telephone surveys of angler fishing effort on headboats, partyboats, and charter boats** in the Northeast, Southeast and Pacific Regions. (Revision based on possibility for annual conduct coastwide.)

	Party/Charter Boat Representatives	Party/Charter Boat Representative Contacts	Mean Time (min.)	Total Time (min.)
Telephone Interviews	5,000	26,000	7.0	182,000 (3033 hrs.)

- (f) **Maintenance of telephone/address directories of headboats, partyboats, and charter boats** in the Northeast, Southeast, and Pacific Regions. (Revision based on possibility for annual conduct coastwide.)

	Boat Representatives	Mean Time (min.)	Total Time (min.)
Telephone Interviews	5,000	2.0	10,000 (167 hrs.)

- (g) **Biological data collection** in the Northeast, Southeast, and Pacific Regions.

	Eligible Intercepted Anglers	Mean Time (min.)	Total Time (min.)
Intercept Interviews	10,000	1.0	10,000 (167 hrs.)

- (h) **Program Change - Follow-up economic mail survey** once every three years in as an extension of the base intercept survey in the Northeast, Southeast and Pacific Regions to collect “revealed preference” data needed for economic valuation analyses.

	Cooperating Intercepted Anglers	Contacts with Cooperating Anglers	Mean Time (min.)	Annual Frequency	Total Time (min.)
Follow-Up Mail Surveys	10,500*	31,500**	15.0	1/3 yrs	52,500 (875 hrs.)

\* Based on a subsample of 17,500 intercepted anglers and an expected 60% response rate.

\*\* Up to two additional mailings will be sent to each cooperating angler to remind them to complete and return the mail survey questionnaire.

- (i) **Program Change - Economic surveys of headboat, partyboat, and charter boat businesses** in the Northeast and Southeast Regions once every three years

	Party/Charter Boat Representatives	Party/Charter Boat Representative Contacts	Mean Time (min.)	Annual Frequency	Total Time (min.)
In-Person Interviews	600	600	60.0	1/3 yrs	12,000
Telephone Interviews	4,000	20,800	8.0	1/3 yrs	55,467
TOTALS	4,600	21,400			67,467 (1,124 hrs.)

(j) **Total program burden:**

Survey	Persons	Contacts	Hours
(a) Base Telephone Survey	497,729	482,354	12,647 <sup>1</sup>
(b) Base Intercept Survey	150,000	165,000	11,625 <sup>2</sup>
(c) Economic Telephone Survey	0	0	1,038 <sup>3</sup>
(d) Economic Intercept/Telephone Survey	0	50,050	4,211 <sup>4</sup>
(e) Vessel Directory Telephone Surveys	5,000	26,000	3,033
(f) Vessel Directory Frame	5,000	5,000	167
(g) Biological Data Collection	10,000	10,000	167
(h) Economic Intercept/Mail Survey	0	31,500	875 <sup>5</sup>
(i) Party and Charter Boat Economic Survey	0	600 <sup>6</sup>	1,124 <sup>6</sup>
TOTALS	667,729	770,504	34,887

<sup>1</sup> The NMFS anticipates contracting for 280,000 household telephone interviews to be conducted on the Atlantic and Gulf coasts, 76,000 household telephone interviews to be conducted on the Pacific coast, 40,000 household telephone interviews to be conducted in Puerto Rico and the Virgin Islands, and 14,000 household telephone interviews to be conducted in Hawaii. In order to get the total of 410,000 household contacts with the random-digit-dialing method of sampling, NMFS estimates that an additional 72,354 non-household contacts will occur.

<sup>2</sup> The NMFS anticipates contracting for 64,000 intercept interviews to be conducted on the Atlantic and Gulf coasts, 3,500 intercept interviews to be conducted in Puerto Rico and the U.S. Virgin Islands, and 3,500 intercept interviews to be conducted in Hawaii; an additional 33,000 intercept interviews will be conducted as part of a cooperative agreement between the NMFS, the Pacific States Marine Fisheries Commission, California Department of Fish and Game, Oregon Department of Fish and Wildlife, and the Washington Department of Fish and Wildlife. The remainder (46,000) are contracted for by individual states as sampling efforts added to the basic NMFS contract. Participation by individual states is at the discretion of the states. However, many states have made the MRFSS methodology, forms, etc. the basis for their own recreational fishery data collection programs.

<sup>3</sup> Questions regarding fishery economic data will be included as an extension of the Base Telephone Survey for household residents having prior saltwater fishing

experience; therefore, no additional telephone contacts will be made. This data collection will be conducted no more than once every three years in each Region.

- 4 Some questions regarding fishery economic data will be included as an extension of the Base Intercept Survey; therefore, no additional contacts will be made. The collection of economic data on extended intercept interviews will be done annually. Other economic questions will be included in follow-up telephone interviews conducted with anglers already interviewed by the Base Intercept Survey. The follow-up telephone survey will be conducted no more than once every three years in each Region.
- 5 Questionnaires will be mailed to anglers already interviewed by the Base Intercept Survey who volunteer to participate in the follow-up mail survey. Up to two additional mailings will be sent to volunteers reminding them to complete and return their questionnaires. The follow-up mail survey will be conducted no more than once every three years in each Region, and will never be conducted in the same year as the follow-up economic telephone survey in any given Region.
- 6 An independent 15% sample of the 4,000 boat operators contacted by the vessel directory telephone surveys of headboat, partyboat, and charter boat fishing effort in the Northeast and Southeast Regions (item 12e above) will be interviewed in person to collect annual cost and earnings data. This will add 600 new contacts. Telephone interviews for the party/charter boat directory telephone survey (item 12e) of fishing effort in the Northeast and Southeast Regions will be extended to collect cost and earnings data for randomly selected trips in one of the next three years for both the Northeast and Southeast Regions. Because no new contacts are required to conduct the add-on economic interviews, no further change in the number of contacts is requested.

**(k) Respondent costs:**

Respondent costs are estimated at \$697,740, calculated as follows:

$$34,887 \text{ hours} \times \$20 \text{ per hour} = \$697,740.$$

**13. Provide an estimate of the total annual cost burden to the respondents or record-keepers resulting from the collection.**

These data collections will incur no cost burden on respondents beyond the costs of response time.

**14. Provide estimates of annualized cost to the Federal government.**

Annual cost to the Federal government is approximately \$4.5 million divided as follows: \$4.0 million in contract award money and \$500,000 in professional staff, overhead and computing costs.

**15. Explain the reasons for any program changes or adjustments reported in Items 13 or 14 of the OMB 83-I.**

- (a) Discontinuation of approval for a telephone household survey of non-coastal counties results in a decrease of 29,012 telephone contacts and 500 burden hours;
- (b) Discontinuation of approval for a diadromous fishery telephone survey results in a decrease of 13,412 telephone contacts and 435 burden hours;
- (c) Discontinuation of approval for a diadromous fishery intercept survey results in a decrease of 2,871 in-person contacts with eligible anglers and 202 burden hours;
- (d) Discontinuation of approval for an angler directory telephone survey results in a decrease of 12,000 telephone contacts with licensed, or permitted, anglers and 680 burden hours;
- (e) Discontinuation of approval for a telephone survey of Pacific halibut fishery in Puget Sound results in a decrease of 1,100 telephone contacts and 79 burden hours;
- (f) An increase of 137,877 Base Telephone Survey contacts with households to improve statistical precision of fishing effort estimates in the Northeast, Southeast, Pacific, Western Pacific, and Caribbean regions and an associated increase of approximately 20,672 non-household contacts results in an estimated increase of 3,615 burden hours;
- (g) An increase of 21,776 Base Intercept Survey interviews of anglers to improve statistical precision of catch-per-trip estimates in the Northeast, Southeast, Pacific, Western Pacific, and Caribbean regions results in an increase of 1,534 burden hours;
- (h) An increase of 12,746 in the number of extended base telephone interviews with residents of fishing and non-fishing households to collect demographic and participation data every three years results in an increase of 212 burden hours;
- (i) An increase of 66,200 in the number of intercepted anglers surveyed for economic information, a change in the frequency of adding economic questions to intercept interviews from once every three years to once every year, and a more realistic assessment of the percentage (35%) of intercepted anglers who will volunteer and complete follow-up telephone interviews to collect additional economic data every three years result in an increase of 10,150 contacts and 2,216 burden hours;
- (j) An increase of 31,500 mail contacts to conduct a follow-up mail survey for collection of economic data from anglers intercepted by the Base Intercept Survey in the Northeast, Southeast, and Pacific regions once every three years results in an increase of 875 burden hours;
- (k) An increase of 600 contacts for an in-person survey of party and charter boat operators and the extension of 20,800 telephone interviews with party and charter boat operators already contacted by the vessel directory telephone surveys to collect costs and earnings information in the Northeast and Southeast Regions once every three years results in an increase of 1,124 burden hours.

**Item 12a (Base Telephone Survey)**

A copy of the 2001 MRFSS Telephone Survey Questionnaire is provided as Attachment 6. Only minor wording changes are anticipated in this questionnaire.

The target sample size for the base Telephone Survey of the Northeast and Southeast Regions will be increased from 210,000 to 280,000 residential households to improve the precision of fishing effort estimates generated from the collected data. In addition, the target sample for the base Telephone Survey of the Pacific Region will be increased from 73,000 to 76,000 residential households for the same reason. The target sample size for Hawaii will be increased from 3,195 to 14,000 residential households, and the target sample size for the U.S. Territories in the Caribbean Region (Puerto Rico and the U. S. Virgin Islands) and the Western Pacific (Guam, American Samoa, and the New Commonwealth of the Northern Mariana Islands) will be increased from 7,765 to 40,000 residential households. These increases will respectively increase the numbers of telephone contacts with non-fishing and fishing households by 107,438 and 9,767.

The use of phone directories and predictive dialing technologies in recent years has greatly increased the efficiency of the base Telephone Survey by decreasing the number of non-household contacts made to obtain a given number of contacts with eligible residential households. About 85 % of successful random-digit-dialing contacts now turn out to be contacts with eligible residential households. Prior to 1995, this rate was closer to 72 %. Therefore, the number of non-household contacts is predicted to increase by 20,683.

#### **Item 12b (Base Intercept Survey)**

Copies of the 2001 MRFSS Intercept Survey Questionnaires are provided as Attachment 7. Only minor wording changes are anticipated in these questionnaires.

The target sample size for the base Intercept Survey of the Northeast, Southeast and Pacific Regions has been increased from 115,254 to 143,000 angler interviews to improve precision of catch-per-trip estimates generated from the collected data. In addition, the number of interviews targeted in Hawaii will be reduced from 7,000 to 3,500, and the number of interviews targeted in the Caribbean territories will be reduced from 7,950 to 3,500. These changes will result in net increases of 19,796 in the number of interviewed anglers and 21,776 in the number of angler contacts.

#### **Items 12c (Add-On Economic Telephone Survey) and 12d (Add-On Economic Intercept Survey).**

Fishery managers are required by law to report the economic consequences of their decisions regarding the allocations of limited fish resources between commercial and recreational fishing sectors. High quality economic data are needed to evaluate the economic claims of constituents and to resolve potential political conflicts between the commercial and recreational fishing constituents as they compete for the limited fish resources. However, fishery managers do not currently have access to much economic information about recreational fisheries. This study intends to help fill the data and research gaps in our knowledge of the economics of marine recreational fishing.

Most fishery economics studies are conducted to collect data which is used to estimate either economic impacts or net values. *Economic impact* is the extent to which a business, community, region or other entity is changed economically by some change, whether it be an improvement or degradation, in a fishery. *Net value* is the amount of benefit received by an individual or group from a product, service, or experience over and above the cost of obtaining it. The type of costs to consider for determination of net value may include lost time and inconvenience, as well as lost money. In general, net value studies of fisheries attempt to characterize the value of fishing opportunities in terms of the costs that people are willing to pay above what they are currently paying for those opportunities. Studies aimed at determining net values are often referred to as *economic valuation* studies.

Values that accrue to individual anglers are estimated in a different way from the economic impacts on businesses, workers and communities, hence the types of data required for economic valuation can differ significantly from the types required for economic impact assessments. For example, economic valuation may require information on foregone income and expenditures commonly associated with a given angler's fishing trips, but it may not require information on that angler's annual expenditures for either rental of his marina berth or maintenance of his boat. However, the latter types of expenditures would be relevant to an analysis of the impact of fishing on the local economy. Therefore, clearly defining the value parameters one wishes to estimate is a prerequisite to determining what type of data needs to be collected.

The objectives of the Supplemental MRFSS Economic Surveys, broadly characterized, are as follows:

1. to collect demographic, social and economic data on the people who participate in marine recreational fishing in the various regions of the continental United States
2. to collect data needed for the statistical estimation of models to assess the net values of marine recreational fishing for specific finfish species that are highly sought by marine recreational anglers and are either currently managed by the Fishery Management Councils and/or the Interstate Marine Fisheries Commissions, or are expected to come under management in the near future;
3. to collect data needed for construction of models to assess the economic impacts of management actions on communities and both fishery-dependent and fishery-independent businesses.

The questionnaires in Attachment 9 are provided to show examples of the types of questions which would be added to the base intercept and telephone surveys in each Region. These questionnaires are designed primarily for the 1999 data collection in the Southeast Region, hence the wording of several questions will be modified prior to fielding surveys in the Northeast and Pacific Regions. The economic data collections will be conducted in each region no more than once during the three-year period from 2002 through 2004.

The supplemental MRFSS Economic Surveys for 2002-2004 (Attachment 9) will focus on both the estimation of the economic impacts of recreational fishing and the economic valuation of the sportfishing experience. They will be designed, in part, to collect the detailed expenditure data needed for proper estimation of appropriate multiplier effects for regional income or employment. Such estimators are needed for appropriate estimates of recreational fishery management impacts on businesses, workers and communities.

Future MRFSS Economic Surveys will be designed to provide data needed for both economic valuation and economic impact assessments. A standard set of questions designed to obtain certain minimum demographic, social, and economic data elements will be asked in all Economic Surveys. The types of expenditure data collected will be standardized across Regions. However, additional questions aimed at determining the effects of specific fishery management practices on angler attitudes or behavior will vary among the Regional Surveys.

Data collected at the individual angler level will be collected specifically for use in economic valuation studies. Species-specific demand models (travel cost models and random utility models) will be specified to begin to answer questions about the economic value or costs of two common forms of regulations imposed on anglers: (1) participation and access and (2) changes in catch (e.g., creel limits, catch and release, minimum size). In keeping with the state of the art in recreational demand modeling, the demand models will be estimated as being contingent on both the choice to go marine recreational fishing and the choice of target species.

Detailed expenditure data will be collected specifically for economic impact assessments. A variety of analytical approaches could be used for regional impact modeling purposes. These approaches range from some quite sophisticated approaches (computable general equilibrium models) to simplistic ones (shift-share analysis, for example). The most common regional modeling approach is the Input/Output (I/O) model. I/O models have considerable appeal due to their extensive use in practical applications and readily available support literature. Further, since the conceptual basis for I/O is quite intuitive the results of an impact assessment can be readily explained to fishery managers and the public. To the extent that fishing communities are defined as economic or geographic entities, an I/O model provides a convenient bridge between requirements to perform (a) an economic impact assessment under the National Environmental Policy Act (NEPA), (b) a regulatory flexibility analysis under the Regulatory Flexibility Act (RFA), and (c) a National Standard 8 review under the Sustainable Fisheries Act (SFA). Regional I/O models will be constructed to track the economic activity (i.e., sales, income and employment) generated directly and indirectly from recreational anglers' expenditures.

#### Economic Telephone Survey

A series of questions will be added to the base MRFSS telephone survey to obtain demographic and participation data. For the 2002-2004 Surveys, the telephone add-on interview will obtain data (Attachment 9a) from experienced saltwater anglers that reside

in households contacted by the Base Telephone Survey. No more than one experienced angler in each contacted household will be asked to respond. The extended telephone interview will first ask questions needed to categorize the respondent as one of the following:

- (1) an experienced saltwater angler who has not fished within the last 12 months.
- (2) an experienced saltwater angler who fished within the last 12 months, but not within the last 2 months,
- (3) an experienced saltwater angler who fished within the last two months,

Saltwater anglers who have not fished within the last 2 months (categories 1 and 2) will be asked the questions in Version A of the questionnaire, and saltwater anglers who fished within the last 2 months (category 3) will be asked the questions in Version B of the questionnaire.

The questions in Version A obtain the age (QA1), gender (QA2), ethnic background (QA3), education level (QA4), employment status (QA5), and household income level (QA6). Age, gender, ethnic background, education level, and employment status will be used to develop a profile of participation behavior. Social and demographic factors may also be used in developing the behavioral model to estimate saltwater recreational fishing values. Past studies have shown gender to be related to the likelihood that a respondent fishes, with women being less likely to participate. Level of education has been shown to affect income and employment status, and both influence recreation decisions. Past research using the travel cost method and its variants have stressed the importance of assigning a value to the individual's opportunity cost of time, and employment plays an important role. Total annual household income will be used to develop angler profiles for the Regions. Also, income is an explanatory variable used in the estimation of economic valuation models. Thus, income will be used in estimation of saltwater recreational fishing values in each Region.

Saltwater anglers who have fished within the last 2 months (category 3) will be asked the questions in Version B of the questionnaire. These respondents will be asked to indicate the primary and secondary target species (QB1) for each trip they reported in the Base Telephone Survey. In addition, they will be asked to indicate the number of saltwater fishing trips taken within the last 12 months (QB2), as well as the numbers of those trips on which they targeted bluefish, striped bass, black sea bass, summer flounder, Atlantic cod tautog or scup (QB3, substitute weakfish in the Mid-Atlantic subregion). The data will be used to evaluate whether avidity patterns of telephone surveyed anglers matches those of intercepted anglers. Two-month anglers will also be asked if they own a boat that they use for recreational fishing (QB4). Boat ownership may influence attitudes toward fishing and may affect the type of trip, species targeting behavior, and fishing site selection. Boat ownership will be incorporated into the economic valuation model. The remaining questions obtain age (QB5), gender (QB6), ethnic background (QB7), education level (QB8), employment status (QB9), and household income level (QB10).

## Economic Intercept Survey

For the 2002-2004 Economic Surveys, a series of questions (Attachments 9b and 9c) will be added to the base intercept survey questionnaire to obtain economic data on trip duration, travel costs, distance traveled, and on site expenditures associated with the intercepted trip. These data will be used to develop angler or trip profiles and in the development of statistical behavioral models to estimate saltwater fishing values. The **intercept survey economic questions** will only be asked of anglers who are at least 16 years of age (regardless of target species), and who complete all key data items preceding the catch inspection questions. The economic questions to be added to the MRFSS intercept field interview are shown on the form in Attachment 9b. Items 1-9 on the form will record the information needed to link the data collected in the economic interview with the data collected from the same angler in a Base Intercept Survey interview. Item 10 records the response status of the interviewee. The respondent will be asked a series of 13 questions (Q11-Q23) to determine the duration of travel from his/her residence (Q11 and Q12), the amount that he/she will fish on the trip away from home (Q13), the primary purpose of the trip (Q14), the angler's level of fishing avidity in the intercepted fishing mode, particularly for the species targeted on the intercepted trip (Q15), the site-specificity of that fishing effort (Q16), the angler's assessment of his/her own fishing ability (Q17), the angler's trip-related expenditures (Q18), the amount of income which he/she sacrificed to make the trip away from home (Q19, Q20, and Q21), and whether he/she owns a boat (Q22). These data are needed to determine the relative economic value of the fishing experience to the angler. The final question (Q23) asks if the angler is willing to participate in a follow-up telephone interview.

The number of days spent fishing while on an overnight stay (Q11-Q13) will be used to calculate the portion of total lodging costs that may be allocated to fishing. Even though fishing may be the primary purpose for making a trip, only those expenses directly related to fishing may be appropriately attributable to fishing. Thus, if an individual fishes on 2 days of a 5 day trip only those expenses associated with the two days spent fishing may be allocated to fishing. Fishing primacy (Q14) is used to profile anglers and the trips they take. It also helps map vacation expenditures into fishing trip expenditures for overnight anglers. The local avidity measures (Q15-Q16), which gauge the 2-month frequency of fishing trips by fishing mode, species target, and site, will be used along with the measure of fishing ability (Q17) for angler profiling. It is thought that these factors may influence attitudes towards local regulations as well as expected catch rates. The total cost of engaging in the fishing activity include the costs of traveling to the site and the costs associated with the actual fishing activity. Therefore, the costs of bait, tackle, and ice (Q18) are necessary components in constructing the economic valuation model. Foregone income (Q19-Q21) is an important component of the opportunity cost of the angler's time. Boat ownership (Q22) will be incorporated into the economic valuation model because it may influence attitudes toward fishing and may affect the angler's choice of fishing mode, species target, and/or fishing site.

The **economic intercept follow-up telephone survey questionnaires** will be administered to obtain additional information from anglers who responded to the economic questions asked during the intercept survey. Based on experience from similar surveys conducted in 1998-2000, only about 35 % of the anglers who complete an intercept interview are expected to complete a follow-up telephone interview. The telephone follow-up questionnaire shown in Attachment 9c is designed to obtain both further data needed for economic valuation and detailed data on trip-related expenditures. The follow-up interview will consist of three sets of questions. The first set of questions (Q1-Q8) will obtain information needed for valuation of recreational fishing for specific species. The second set of questions (Q9-Q12) will be asked to obtain detailed information on fishing-related expenditures. The last set of telephone follow-up questions (Q13-17) obtain demographic information.

In the first set of questions, the telephone interviewer will ask the angler to indicate his/her number of years of saltwater fishing experience (Q1) and whether he/she took any saltwater fishing trips since the day of the intercept interview (Q2). In addition, the interview will ask the angler to indicate the fishing mode of the most recent saltwater fishing trip (Q3), the fish species targeted on that trip (Q4), and the location of the access site used for that trip (Q5). The telephone interview will also determine the duration of travel from home for that trip (Q6 and Q7), the amount that he/she fished on the trip away from home (Q8), and whether fishing was the primary purpose of the trip (Q9). The number of days spent fishing while on an overnight stay will be used to calculate the portion of total lodging costs that may be allocated to fishing. Even though fishing may be the primary purpose for making a trip, only those expenses directly related to fishing may be appropriately attributable to fishing. Thus, if an individual fishes on 2 days of a 5 day trip only those expenses associated with the two days spent fishing may be allocated to fishing.

In the set of questions on expenditures (Q10-Q39), the first will ask for the number of people who contributed to expenses of the fishing trip (Q10). Obtaining this information allows conversion of group expenditures into individual expenditures, if the respondent is unable to remember his/her individual contributions. The next set of questions will ask for group or individual trip-related expenditures on food, drink and refreshments (Q11), lodging (Q12), transportation (Q13), boat fuel (Q14), guide fees (Q15), access or boat-launch fees (Q16), equipment rentals (Q17), bait (Q18), ice (Q19), fish cleaning fees (Q20), and consumables (Q21). If the respondent is a boat owner, he/she will be asked to provide annual costs of mooring, storing, maintaining and insuring the boat (Q22). The next set of questions (Q23-Q26) will obtain detailed information on expenses for fishing equipment purchases including rods, poles, reels, and lines (Q23), tackle and gear (Q24), and other fishing equipment purchases (Q25). The next set of questions (Q26-Q34) focuses on obtaining information on other fishing-related expenditures such as camping equipment (Q26), binoculars (Q27), special clothing (Q28), taxidermy (Q29), magazine subscriptions (Q30), fishing club dues or contributions (Q31), saltwater fishing licenses or fees (Q32), and other miscellaneous expenses (Q33). Finally, the respondent will be asked to share his/her annual expenses on durable fishing equipment such as new boats

(Q35-Q36) or other durable equipment such as a motor or hitch, electronic fish-locating devices (Q37), automotive vehicles (Q38), and/or a secondary residence primarily used for saltwater sportfishing (Q39). This detailed data on fishing expenditures is needed for accurate estimates of the economic impacts of recreational fishing on surrounding communities.

The next set of questions asks the angler to rank the relative importance of saltwater fishing as a recreational activity (Q41), to indicate catch and release behavior (Q42), and to indicate what he/she would do if regulators prohibited anglers from keeping recreational catches of gamefish (Q43). This information will be used to model changes in behavior as they relate to modeling the economic impacts of recreational saltwater fishing.

#### **Item 12h (Add-On Economic Intercept/Mail Survey).**

Analyzing the effects of policies that may be enacted in a recreational fisheries setting, such as bag and size limits, requires further refinements in the valuation models. To date, data collection and models were designed to measure anglers' value of access to recreational fishing resources, and to measure their value for catching an additional fish. These models are not ideally suited for measuring the change in value from changes in bag or size limits. This data collection effort and resulting research is intended to get at several key issues relating to bag and size limit changes. The objectives of this Supplemental MRFSS data collection effort and resulting research product, broadly characterized, are as follows:

- (a) to collect data needed for the statistical estimation of models to assess the net values of marine recreational fishing for specific species;
- (b) to collect data needed to assess the change in net values with changes in likely management policies, such as bag and size limits, for those species;
- (c) to evaluate the reliability of conjoint analysis (stated preference [SP]) compared with models that use information on the actual choices made by recreational anglers (revealed preference [RP]);

Conjoint analysis has been widely used in the marketing literature to examine consumers' preferences for items having multiple attributes. For example, conjoint studies have examined how attributes of cars (such as air conditioning, power steering, four wheel drive, etc.) are likely to influence consumers' purchasing behavior. The conjoint methodology presents the respondent with a predefined good (having various attributes) and asks them to either rate the good on a given scale, or asks them to choose one good from among several (all of which have varying levels of attributes).

The use of conjoint analysis for natural resource valuation has recently been identified as a way to examine consumers' preferences for environmental goods in lieu of or in addition to RP methodology. Conjoint analysis of environmental attributes is seen by many as a middle ground between analyzing actual choices made by recreators (RP) and using the contingent valuation method. While the choices made by respondents in a conjoint study

are considered to be hypothetical, they have not received the level of criticism that the contingent valuation method has. A further benefit of conjoint methodology is that given a proper definition of the good, it is possible to statistically compare the respondent's revealed and stated preferences.

Certain problems require a hypothetical technique to assess the respondents' preferences for attributes. Evaluating the benefits/costs of bag and size limits is one such case. While attempts are underway to measure values using the RP methodology, measuring anglers' preferences for catching, keeping, and releasing fish, combined with constraints placed upon the angler by regulations, seems to exhaust if not overstep the available RP data collected in past MRFSS valuation surveys.

The Follow-Up Mail Survey will be administered to each intercepted angler who volunteers. The intercept survey interview will close with a question asking the intercepted angler if he/she would be willing to cooperate with a subsequent mail survey. The mail survey will ask ten to twenty questions to obtain additional social and/or economic information from cooperating intercepted anglers. Specifically, the questionnaire will ask the respondent five to ten questions about their attitudes about motivations for fishing, attitudes about catch and release fishing, and attitudes about regulations. Finally, each respondent will be presented an additional series of five to ten questions. These questions will be discrete choice paired comparisons common in the conjoint literature. Each one of these questions will ask respondents to make a comparison between two hypothetical trips (see Appendix B for an example). Each trip will have associated with it attributes (such as cost of traveling to the recreation site, number of fish of selected species the angler expects to catch, the bag limit, the size limit, the expected number of legal size fish, and the expected success of fishing for other species). For each trip comparison, the fisherman will also be given the choice of not taking a saltwater angling recreational fishing trip.

The experimental design of these latter five to ten questions has been developed by the NMFS using choice set and experimental design methods outlined in the marketing literature and other places. A datafile containing all choice sets has been prepared. This file contains the attribute levels as well as block and choice set identification codes. To maximize the information obtained from the study, the NMFS will choose approximately 20-50 blocks of conjoint questions (each block containing the five to ten trip comparisons discussed above). **THEREFORE NOT ALL RESPONDENTS WILL GET THE SAME QUESTIONS.** The different blocks of questions will be randomly assigned to different volunteering respondents. The mail survey data will be linked with the MRFSS intercept survey data. For each of the conjoint questions, one of the three alternatives responses will be recorded.

NMFS will try several versions of the mail questionnaire in a focus group setting. This will ensure that 1) the appropriate trip attributes are included, 2) that attributes are well described and understood, 3) the attribute levels make sense to anglers, 4) no non-sensical choices are asked of respondents, and 5) the general choice problem is understood by

respondents. The focus group recruited by a contractor will be comprised of people who have participated in saltwater angling within a reasonable time period (such as five years).

Systematic repeated mailings to non-respondents will be used in an attempt to keep the response rate for the mail survey above 60%. A variation of Dillman's Total Design method will be used<sup>1</sup>. The major steps of the method are as follows:

- (a) First, each respondent eligible for the mail survey must have agreed to participate in the survey at the time of the base intercept survey interview. At this time, respondents will be given a short brochure generally describing the data collection and explaining the motivation for the mail survey instrument.
- (b) The mail survey will be sent to respondents within two weeks of their intercept survey interview. The survey packet will contain a cover letter (designed by NMFS) and the questionnaire. It is expected that the packet will be folded in the way described by Dillman (so that the cover letter is easily accessible and the first thing the respondent sees). The questionnaire will be in a booklet format and will not exceed a total of three to five pages.
- (c) One week after this mailing, a postcard will be sent to all volunteers. It will promote the study, thank respondents who have already responded, and remind those that did not to respond.
- (d) Three weeks after the initial mailing, another follow-up mailing will be sent, **but only to non-respondents**. This will have the complete packet with a slightly modified cover letter and questionnaire. It should also be folded in a manner consistent with Dillman.

An example mail survey questionnaire is provided as Attachment 10. The example questionnaire is designed to focus on valuation of alternative bag and size limits for summer flounder in the Northeast Region. Similar questionnaires will be developed for different species in the Southeast and Pacific Regions. The first ten questions (Q1-Q10) will collect data needed to develop angler behavior profiles. Q1 is a Likert-scale question that explores targeting behavior across seven of the most popular target species among marine recreational anglers. Other questions obtain information on fishing experience (Q2), fishing avidity (Q3), preferences for keeping or releasing caught fish of top 7 species (Q4), preferences for releasing fish (Q5), boat ownership (Q6), boat storage (Q7), location of boat slip (Q8), preferences for fish conservation measures (Q9), and reasons for supporting fish conservation measures (Q10).

The next set of four questions (Q11-Q14) are conjoint questions that present the angler with two fishing trip choices and a non-fishing trip choice. The design allows the angler to compare six trip attributes with randomly assigned levels including: cost of traveling to the site, likely catch of summer flounder, minimum size limit for summer flounder, bag limit for summer flounder, likely number of legal size summer flounder, and likely fishing success for all other species. With these attributes it will be possible to model the angler's preferences for cost, catch rates, bag limits and size limits. It also allow the valuation of

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<sup>1</sup> See Don A. Dillman, Mail and Telephone Surveys: The Total Design Method. John Wiley and Sons, NY. 1978.

changes in regulations. The remaining questions (Q15-Q18) obtain demographic data needed to round out angler profiles. Such data include gender (Q15), ethnic background (Q16), education level (Q17), and employment status (Q18). The last question (Q19) verifies that the respondent was the same person to which the survey was mailed.

**Item 12i (Add-On Economic Surveys of Headboat, Partyboat, and Charter Boat Businesses).**

The universe for these sampling surveys will be all headboats, partyboats, and charter boats that actively participate in the marine recreational fishery. The for-hire boat fishery is expected to be the focus of increased fishery management. Both the federal fishery management councils and the National Marine Fisheries Service (NMFS) have been faced with increasingly difficult management decisions that have significant implications for the for-hire boat industry, as well as numerous fish stocks.

The cost-and-earnings information collected from this fleet will be used in support of analyses needed to comply with the National Environmental Policy Act, the Regulatory Flexibility Act, the Magnuson-Stevens Fishery Conservation and Management Act, the Endangered Species Act and other applicable federal laws. These analyses will be conducted and reviewed by economists and other fishery management staff affiliated with the Councils and the Fisheries Science Centers of the NMFS.

The data collected will be used for four general purposes. First, the data will be used to predict potential effects on the head, party, and charter boat fleets of alternative regulatory actions to be considered by the Councils. Examples would be the setting of allocations or bag limits for the recreational fisheries for certain species, and creation of marine reserves. The need for economic data to conduct regulatory analysis has been heightened by a 1996 amendment to the Regulatory Flexibility Act, which allows agencies to be sued for inadequately considering the effects of regulations on small businesses.

Second, the data will be used to estimate the extent of overcapacity in the for-hire boat fleets and to help identify reasonable alternative approaches to reducing capacity, should such reduction be deemed necessary. Overcapacity has been identified by the federal fishery management councils as a high priority management issue requiring immediate attention.

Third, the data – in combination with other available information on the fishing efforts and harvests of headboat, partyboat, and charter boats - will be used to measure and monitor the economic performance of the fishery. Such routine monitoring is important for anticipating fishery management problems before they become severe and difficult to address.

Finally, the data will be used to help evaluate the effects of restrictions imposed by the NMFS to protect species stocks listed under the Endangered Species Act. Currently the NMFS is engaged in consultations with the Pacific coast states regarding changes in

salmon hatchery practices to protect wild stocks. Because most of the salmon caught on the Pacific coast originate from hatcheries, such changes are expected to have significant effects on commercial and sport fisheries.

Without this survey data, significant gaps in knowledge of the for-hire boat industry would occur and the quality of the required analyses would be impaired. This would make it difficult for the Councils and the NMFS to make informed fishery management decisions, and cause the NMFS to be much more vulnerable to lawsuits under the Regulatory Flexibility Act.

The questionnaires and sampling methods were cooperatively developed by representatives of the NMFS, the interstate marine fisheries commissions, the state agencies that conduct data collections for the MRFSS, and the for-hire boat industry. Industry views on the availability of data, the frequency of collection, the clarity of instructions, the amount of burden to be imposed, and ways to minimize the burden were integral to the consultation process.

Communications from industry representatives as well as preliminary data analyses indicate that for-hire boat fishing activity varies significantly by vessel size. Larger vessels, which typically carry more passengers and travel to more distant fishing grounds (often for multi-day trips), tend to generate higher revenues and costs than smaller vessels. Because of these size-related differences, as well as differences in target species and species availability at different locations along the coast, it was decided that sampling of vessels would be uniform among vessel size categories and principal port areas and random within those size/area strata.

In order to obtain comprehensive economic profiles of the headboat, partyboat, and charter boat fleets, the questionnaires cover both fishing and non-fishing (e.g., whale watching) activities of boats. The questions were designed to be sufficiently broad in scope to accommodate all the general types of analyses discussed above. An explanation of the elements of each of the survey instruments follows.

#### In-Person Survey Instrument:

The instrument used for the in-person interviews (Attachment 11a) describes questions that will be asked in a one-time survey of headboat, partyboat, and charter boat operators regarding the volume and types of activities engaged in during the year, as well as annual economic revenues, costs and employment.

In Q1, the interviewer will ask the interviewee to verify the vessel name and owner.

Q2.1-Q2.5, pertaining to characteristics of the firm, will allow analysts to better understand the firm and consequently model its behavior. An important element of this section is the question identifying other vessels owned by the same person or entity. Determining whether costs are shared across vessels or attributable only to a single vessel

is important in developing a financial picture of the firm. For multi-vessel firms, Q2.3a-Q2.3e provide information on the number of vessels in the firm and Q2.3f-Q2.3m provide information on annual firm costs. Q2.4a-Q2.4h provide comparable cost information for single-vessel firms. Q2.2 and Q3h-Q3k are useful for estimating the value of the firm's assets.

Q3a-Q3g regarding vessel characteristics will be used to identify factors that affect costs. For instance, horsepower, type of fuel and cruising speed will have a bearing on fuel costs; year built will have a bearing on maintenance costs. It should be noted that the interviewee will have prior information on some vessel characteristics (vessel length, tonnage, horsepower and passenger capacity) from each respondent's registration/license file and will ask the respondent to confirm that information. The frequency of discrepancies between interviewee responses and registration/license records may be useful for flagging potential problems in the registration/license files.

Some party or charter boats are operated out of more than one port. Q4.1 will be used to designate a principal port for each boat. Q4.2-Q4.3 pertaining to annual costs and revenues will be used in conjunction with Q2.3 and Q2.4 to evaluate annual financial performance. Q4.4 will be used to determine employment impacts associated with charter boat activity.

#### Telephone Survey Instrument:

The telephone add-on survey instrument is provided as Attachment 11b. This survey will be conducted as an add-on to the ongoing, weekly telephone survey of party and charter boat fishing effort. The economic add-on to the MRFSS directory telephone survey of operators of headboats, partyboats, and charter boats will be conducted weekly over the course of one full year to ensure that the range and seasonality of for-hire boat activity are captured. The responses of boat operators to Q1-Q16 are needed to estimate individual trip costs and to evaluate how those costs vary with passenger load, trip duration, trip location and target species.

Using the contact information contained in the sampling frame, the MRFSS will send a letter to 10% of vessels that actively fish in each week, notifying them that they have been selected to participate in a survey of their fishing effort during that week and that they will be contacted within one week after receipt of the letter for a telephone interview. The letter will be accompanied by a form that describes the information to be collected in the telephone interview and provides spaces where they can record their information prior to that interview. Respondents will be asked to consider returning a completed form via fax if repeated dialing attempts by survey interviewers fail to reach them for an interview within the designated sampling week.

Response rates to the survey are expected to be enhanced by a number of survey features. As indicated earlier, industry representatives and associations were asked for their support, and industry input was solicited, obtained and adopted during the survey design

process. Potential respondents will be given advance notification of the survey and the survey questions to be asked; this will “prime” them to anticipate the follow-up phone call and give them an opportunity to prepare in advance for the survey. If the party/charter boat operator is not reached in the initial telephone call, nine additional attempts will be made before the vessel is recorded as a non-response. These repeat attempts will be distributed among weekend/weekday and day/evening time periods to maximize the likelihood of reaching the contact person. The fax option is intended to increase opportunities for survey participation, particularly during those times of year when vessel operators are at sea for long hours and less likely to be available for a telephone interview.

Consolidating effort and economic questions into a single interview was deemed advantageous for several reasons: (1) minimizing the burden on industry, (2) enhancing the ability of industry to recall details of the trip because of the MRFSS strategy of conducting interviews shortly after completion of the trip, (3) allowing the data analyst to link the economic details of the trip with trip-specific fishing effort information, and (4) reducing economic survey costs. In addition, the MRFSS also agreed to allow use of its sampling frame as a basis for identifying and contacting vessels for the annual economic survey, which would be conducted separately from the weekly effort survey.

How survey results will be analyzed and used: The survey data will be used to evaluate fishery regulatory options, to address issues such as fleet overcapacity, to measure and monitor economic performance of the fleet, and to assist the NMFS in evaluating the effects of regulations implemented under the MSFCMA and ESA hatchery consultations on the for-hire boat fisheries.

The annual economic data will be used to create an economic profile of the headboat, partyboat, and charter boat fleets in terms of vessel characteristics, revenues, costs, profits and employment. The economic profile will be used to determine the value of various types of fishing and non-fishing activity to the fleet and to evaluate economic losses that would be incurred if, for instance, a particular type of fishing activity were to be curtailed by regulation under the MSFCMA or the ESA. The Regulatory Flexibility Act requires that agencies develop and consider management options that mitigate effects of regulation on small businesses; the economic data will be useful for determining how many vessels meet the Small Business Administration’s revenue threshold for being defined as a “small business”. Fleet overcapacity is another important management issue that this survey will help address. One way to estimate overcapacity is to compare the actual number of passenger trips made per year by the fleet with the number that could potentially be made if all vessels operated in an economically efficient manner. By allowing calculation and comparison of profitability across vessels, the survey will be helpful for determining what the standard for economic efficiency should be. Use of the annual economic data to conduct regulatory analysis will generally involve estimation of summary statistics (means, standard deviations) for relevant variables such as number of boats, number of trips, revenues, costs, profits and employment. The statistical functions available in spreadsheet packages such as Excel and in software packages such as the Statistical Package for the Social Sciences (SPSS) will be used for regulatory analysis.

The trip-level economic survey will be used to determine how both fishing and non-fishing (e.g., whale watching) trips are distributed among areas and seasons, to determine the distribution of fishing trips across target species, and to estimate revenues, costs and profits associated with various types of trips. The trip-level economic data will allow management alternatives to be evaluated on a finer scale than the vessel-level economic information. For instance, trip data will allow determination of how many trips would be impacted by regulations that restrict fishing activity associated with a specific area, season or target species. Use of the trip data to conduct regulatory analysis will generally involve estimation of summary statistics (means, standard deviations) for relevant variables such as trip length, average number of passengers per trips, trip revenues, costs and profits. The statistical functions available in packages such as Excel and SPSS will be used for regulatory analysis.

The trip-level data will also be used to estimate a type of discrete choice model known as multinomial logit to predict how for-hire boat effort is likely to shift from one activity to another in response to regulatory changes. The model will be estimated using maximum likelihood techniques, with t-statistics used to evaluate the statistical significance of individual model parameters and a likelihood ratio test used to evaluate the overall fit of the model. A statistical package such as LIMDEP will be used for model estimation.

Generalizing survey results to the entire population: The annual economic survey will be based on a stratified random sampling procedure that ensures that each area/vessel size stratum is represented in the sample in adequate numbers to derive statistically valid estimates of revenue and cost by stratum. Once completed, the MRFSS sampling frame will allow determination of the population of boats in each stratum. This population information will allow results of the annual economic survey to be generalized from the sample to the population by weighing the data points in each stratum by the proportion of the population represented by that stratum.

The MRFSS weekly effort survey is designed to provide a random sample of for-hire boat trips. This random sample, along with the known 10% sampling rate employed by the MRFSS, will make it possible to determine the population of boat trips from the sample. The trip-level economic survey will consist of a subsample of trips drawn from the MRFSS random sample. While the economic subsample is expected to be random in many respects, the trip selection procedure for the economic survey may result in a non-representative distribution of the economic sample between weekdays and weekends. Any bias in this regard will be evaluated by comparing the weekday-weekend distribution of trips from the economic survey with the trip distribution indicated by the MRFSS weekly effort survey. If necessary, any such bias will be corrected by the application of appropriate weighting factors to weekday and weekend trips in the economic survey.

**16. For collections whose results will be published, outline the plans for tabulation and publication.**

All data collected and analyzed will be included in table format available of the web page of the Division of Fisheries Statistics and Economics, Office of Science and Technology, national Marine Fisheries Service. The web address is <http://www.st.nmfs.gov/st1>. Additional summaries of data will be included in the annual publication "Fisheries of the United States."

**17. If seeking approval to not display the expiration date for OMB approval of the information collection, explain the reasons why display would be inappropriate.**

N/A.

**18. Explain each exception to the certification statement identified in Item 19 of the OMB 83-I.**

There are no exceptions.

**B. COLLECTIONS OF INFORMATION EMPLOYING STATISTICAL METHODS**

**1. Describe (including a numerical estimate) the potential respondent universe and any sampling or other respondent selection method to be used. Data on the number of entities (e.g. establishments, State and local governmental units, households, or persons) in the universe and the corresponding sample are to be provided in tabular form. The tabulation must also include expected response rates for the collection as a whole. If the collection has been conducted before, provide the actual response rate achieved.**

Attached is a copy of a general description of the MRFSS Methodology which currently appears on the NMFS Fisheries Statistics and Economics Division Website <http://www.st.nmfs.gov/recreational/survey/survey/overview.html>, Attachment 12). Also provided is a copy of a technical report which details the calculations used to estimate catch, effort and participation (Attachment 13). The Survey utilizes a "complemented surveys" approach, which includes both a telephone survey of coastal county households (about 35 million potential respondents) to estimate fishing effort and an intercept survey of recreational anglers (about 17 million potential respondents) at fishing sites to obtain catch per unit effort data and biological data. This approach was developed and tested over a period of several years to minimize response and sampling errors for the different data elements. Conducted since 1979, both the telephone and intercept survey portions of the MRFSS have maintained response rates in excess of 95 percent. The NMFS is a leader in the field of survey sampling of marine recreational fishermen.

**2. Describe the procedures for the collection, including: the statistical methodology for stratification and sample selection; the estimation procedure; the degree of accuracy needed for the purpose described in the justification; any unusual problems requiring specialized sampling procedures; and any use of periodic (less frequent than annual) data collection cycles to reduce burden.**

Survey procedures which are described in Attachments 12 and 13 are briefly summarized below:

Telephone Survey of Households: Random-digit-dialing procedures are used to screen coastal county telephone exchanges for working blocks of telephone numbers which are then screened for eligible households. Households are screened to identify anglers eligible for interview. The interview obtains data on the frequency of fishing trips by both mode and area of fishing over a two-month recall period. The telephone household survey instrument is included as Attachment 6.

Intercept Survey: Intercept survey interviewing has been assigned to specific sites and fishing modes in coastal states on the basis of seasonal fishing activity. Site lists have been generated during the study to establish sampling strata, and fishing pressure estimates have been used to allocate assignments among sites. Data obtained has included descriptive information on the fishing trip, catch by species and associated biological data. The intercept survey instrument is included as Attachment 7.

Estimation: Telephone data are combined with U. S. Census data on number of households and telephone ownership in coastal counties to estimate the number of in-state fishing trips by coastal county residents in each state/mode/area/2-month-wave combination. The proportions of trips made by anglers not covered by the telephone survey (non-coastal-county state residents and out-of-state residents) are obtained from intercept survey data and used to estimate the total number of trips taken within each state. Estimates of catch for each species are derived by multiplying the estimates of catch per trip obtained from the intercept survey by the estimate of total trips.

Variances, standard errors and coefficients of variation are estimated for each estimate of effort and catch. Estimates fall within the confidence limit goals established for 95 percent reliability at the Regional Council level of aggregation.

Control of response biases such as time-related recall error, telescoping, fish misidentification and prestige bias have resulted in the choice of the unique complemented surveys approach.

Directory Telephone Survey of Party and Charter Boats: Attachment 8 is the telephone survey instrument to be used to collect fishing effort data by interviewing operators of party and charter boats. The effort data collected by this weekly sampling survey are used to estimate the mean number of angler trips per boat. This mean estimate is expanded by the number of boats included in the sampling frame to estimate the total number of angler trips made by in-frame boats each week. The proportions of fishing trips made by anglers

on out-of-frame charter and head boats are obtained from intercept survey data and used to calculate estimates of total angler trips on charter and head boats. Catch-per-trip estimates obtained from the base intercept survey sample are expanded by the estimate of total trips to get estimates of catch for different finfish species.

Response rates of about 70 % have been maintained for the 1999-2001 survey in the Gulf of Mexico subregion (Louisiana through Florida) through concerted efforts to maximize contact rates. By mailing a letter to each potential respondent in advance of attempted telephone contacts and by spreading the contact attempts over different days and times throughout the sampling week, contact rates above 70 % have been consistently achieved. Refusal rates for successful contacts have rarely exceeded 5 %. Cooperation with the survey has been encouraged through the distribution of a brochure describing the survey, as well as through the distribution of periodic newsletters that answer questions about the survey and provide summaries of survey results.

Supplemental Economic Telephone and Intercept Surveys: Attachments 9a, 9b, and 9c are copies of survey instruments similar to those which will be used for the 2002-2004 add-on surveys to collect economic impact and/or value data. Minimal economic data collections will be conducted annually by extending base intercept survey interviews, but full-scale economic surveys, including follow-up telephone interviews of intercept survey respondents and extended interviews of base telephone survey respondents, will be conducted only once every three years in each Region to minimize respondent burden.

Supplemental Economic Mail Survey: Attachment 10 is an example of a survey instrument to be used for the 2002-2004 add-on intercept mail survey to collect economic value data regarding alternative bag and size limits for federally managed species. Economic questionnaires will be mailed to cooperative base intercept survey respondents only once every three years in each Region to minimize respondent burden.

Supplemental Economic Survey of the Party/Charter Boat Industry: Attachments 11a and 11b are copies of the instruments to be used for the cost-earnings survey of party and charter boat businesses. Extended interviews of the party and charter boat operators contacted by the weekly directory telephone survey of fishing effort will be conducted to collect trip-level cost and earnings data only once every three years in each Region. Independent, in-person interviews of a sample of party and charter boat operators to collect annual cost and earnings data will be conducted on the same 3-year schedule in each Region.

**3. Describe the methods used to maximize response rates and to deal with nonresponse. The accuracy and reliability of the information collected must be shown to be adequate for the intended uses. For collections based on sampling, a special justification must be provided if they will not yield "reliable" data that can be generalized to the universe studied.**

Intensive interviewer training and tested methodological approaches are employed to maximize response rates. Interviewers are tested for skills in fish identification, effective communication with potential respondents, and/or accurate coding of responses before they are hired for training. Training familiarizes interviewers with a procedures manual and develops their interviewing skills through role playing exercises. Supervision and additional training of interviewers occurs during the conduct of all telephone and intercept surveys. Field supervisors visit intercept survey interviewers periodically to observe their performance and provide additional training as needed. Refusal rates for both the telephone and intercept surveys have rarely exceeded 5 percent during the 23 years of the Survey.

**4. Describe any tests of procedures or methods to be undertaken. Tests are encouraged as effective means to refine collections, but if ten or more test respondents are involved OMB must give prior approval.**

More than 24 years of testing, methodological research and professional experience in survey work were used in formulating the present methodology.

**5. Provide the name and telephone number of individuals consulted on the statistical aspects of the design, and the name of the agency unit, contractor(s), grantee(s), or other person(s) who will actually collect and/or analyze the information for the agency.**

Ms. Maury Osborn is the NMFS Team Leader for the MRFSS. The present contractor for the telephone survey is Macro International, Inc., of Burlington, Vermont. A new contract for the 2002-2004 telephone survey will be awarded by September 30, 2001. The intercept survey is currently conducted in Georgia through Maine under another contract with Macro International. A new contract for the 2002-2005 intercept survey in those states will be awarded by November 30, 2001. The new contractors have not yet been selected. The intercept survey is conducted on the Pacific coast under a cooperative agreement by the Pacific States Marine Fisheries Commission and the state marine fishery agencies of California, Oregon, and Washington. The intercept survey is currently conducted in Louisiana, Mississippi, Alabama, and Florida under a cooperative agreement by the Gulf States Marine Fisheries Commission and the respective state marine fishery agencies. Although data collections are performed either under contract or cooperative agreement; analyses are performed entirely by the NMFS.

## **ATTACHMENT 1**

### **Magnuson-Stevens Fishery Conservation and Management Act**

#### **Public Law 94-265**

As amended through October 11, 1996

#### **AN ACT**

To provide for the conservation and management of the fisheries,  
and for other purposes.

J.Feder version (12/19/96)

### **TITLE III -- NATIONAL FISHERY MANAGEMENT PROGRAM**

#### **SEC. 303. CONTENTS OF FISHERY MANAGEMENT PLANS 16 U.S.C. 1853**

95-354, 99-659, 101-627, 104-297

(a) **REQUIRED PROVISIONS.**--Any fishery management plan which is prepared by any Council, or by the Secretary, with respect to any fishery, shall--

(1) contain the conservation and management measures, applicable to foreign fishing and fishing by vessels of the United States, which are--

(A) necessary and appropriate for the conservation and management of the fishery to prevent overfishing and rebuild overfished stocks, and to protect, restore, and promote the long-term health and stability of the fishery;

(B) described in this subsection or subsection (b), or both; and

(C) consistent with the national standards, the other provisions of this Act, regulations implementing recommendations by international organizations in which the United States participates (including but not limited to closed areas, quotas, and size limits), and any other applicable law;

(2) contain a description of the fishery, including, but not limited to, the number of vessels involved, the type and quantity of fishing gear used, the species of fish involved and their location, the cost likely to be incurred in management, actual and potential revenues from the fishery, any recreational interest in the fishery, and the nature and extent of foreign fishing and

Indian treaty fishing rights, if any;

(3) assess and specify the present and probable future condition of, and the maximum sustainable yield and optimum yield from, the fishery, and include a summary of the information utilized in making such specification;

(4) assess and specify-- (A) the capacity and the extent to which fishing vessels of the United States, on an annual basis, will harvest the optimum yield specified under paragraph (3),

(B) the portion of such optimum yield which, on an annual basis, will not be harvested by fishing vessels of the United States and can be made available for foreign fishing, and

(C) the capacity and extent to which United States fish processors, on an annual basis, will process that portion of such optimum yield that will be harvested by fishing vessels of the United States;

(5) specify the pertinent data which shall be submitted to the Secretary with respect to commercial, recreational, and charter fishing in the fishery, including, but not limited to, information regarding the type and quantity of fishing gear used, catch by species in numbers of fish or weight thereof, areas in which fishing was engaged in, time of fishing, number of hauls, and the estimated processing capacity of, and the actual processing capacity utilized by, United States fish processors;

(6) consider and provide for temporary adjustments, after consultation with the Coast Guard and persons utilizing the fishery, regarding access to the fishery for vessels otherwise prevented from harvesting because of weather or other ocean conditions affecting the safe conduct of the fishery; except that the adjustment shall not adversely affect conservation efforts in other fisheries or discriminate among participants in the affected fishery;

(7) describe and identify essential fish habitat for the fishery based on the guidelines established by the Secretary under section 305(b)(1)(A), minimize to the extent practicable adverse effects on such habitat caused by fishing, and identify other actions to encourage the conservation and enhancement of such habitat;

(8) in the case of a fishery management plan that, after January 1, 1991, is submitted to the Secretary for review under section 304(a) (including any plan for which an amendment is submitted to the Secretary for such review) or is prepared by the Secretary, assess and specify the nature and extent of scientific data which is needed for effective implementation of the plan;

(9) include a fishery impact statement for the plan or amendment (in the case of a plan or amendment thereto submitted to or prepared by the Secretary after October 1, 1990) which shall assess, specify, and describe the likely effects, if any, of the conservation and management

measures on--

(A) participants in the fisheries and fishing communities affected by the plan or amendment; and

(B) participants in the fisheries conducted in adjacent areas under the authority of another Council, after consultation with such Council and representatives of those participants;

(10) specify objective and measurable criteria for identifying when the fishery to which the plan applies is overfished (with an analysis of how the criteria were determined and the relationship of the criteria to the reproductive potential of stocks of fish in that fishery) and, in the case of a fishery which the Council or the Secretary has determined is approaching an overfished condition or is overfished, contain conservation and management measures to prevent overfishing or end overfishing and rebuild the fishery;

(11) establish a standardized reporting methodology to assess the amount and type of bycatch occurring in the fishery, and include conservation and management measures that, to the extent practicable and in the following priority--

(A) minimize bycatch; and

(B) minimize the mortality of bycatch which cannot be avoided;

(12) assess the type and amount of fish caught and released alive during recreational fishing under catch and release fishery management programs and the mortality of such fish, and include conservation and management measures that, to the extent practicable, minimize mortality and ensure the extended survival of such fish;

(13) include a description of the commercial, recreational, and charter fishing sectors which participate in the fishery and, to the extent practicable, quantify trends in landings of the managed fishery resource by the commercial, recreational, and charter fishing sectors; and

(14) to the extent that rebuilding plans or other conservation and management measures which reduce the overall harvest in a fishery are necessary, allocate any harvest restrictions or recovery benefits fairly and equitably among the commercial, recreational, and charter fishing sectors in the fishery.

97-453, 99-659, 101-627, 102-251, 104-297

(b) DISCRETIONARY PROVISIONS.--Any fishery management plan which is prepared by any Council, or by the Secretary, with respect to any fishery, may--

(1) require a permit to be obtained from, and fees to be paid to, the Secretary, with respect to--

(A) any fishing vessel of the United States fishing, or wishing to fish, in the exclusive economic

zone [or special areas,]\* or for anadromous species or Continental Shelf fishery resources beyond such zone [or areas]\*;

(B) the operator of any such vessel; or

(C) any United States fish processor who first receives fish that are subject to the plan;

(2) designate zones where, and periods when, fishing shall be limited, or shall not be permitted, or shall be permitted only by specified types of fishing vessels or with specified types and quantities of fishing gear;

(3) establish specified limitations which are necessary and appropriate for the conservation and management of the fishery on the--

(A) catch of fish (based on area, species, size, number, weight, sex, bycatch, total biomass, or other factors);

(B) sale of fish caught during commercial, recreational, or charter fishing, consistent with any applicable Federal and State safety and quality requirements; and

(C) transshipment or transportation of fish or fish products under permits issued pursuant to section 204;

(4) prohibit, limit, condition, or require the use of specified types and quantities of fishing gear, fishing vessels, or equipment for such vessels, including devices which may be required to facilitate enforcement of the provisions of this Act;

(5) incorporate (consistent with the national standards, the other provisions of this Act, and any other applicable law) the relevant fishery conservation and management measures of the coastal States nearest to the fishery;

(6) establish a limited access system for the fishery in order to achieve optimum yield if, in developing such system, the Council and the Secretary take into account--

(A) present participation in the fishery,

(B) historical fishing practices in, and dependence on, the fishery,

(C) the economics of the fishery,

(D) the capability of fishing vessels used in the fishery to engage in other fisheries,

(E) the cultural and social framework relevant to the fishery and any affected fishing communities, and

(F) any other relevant considerations;

(7) require fish processors who first receive fish that are subject to the plan to submit data (other than economic data) which are necessary for the conservation and management of the fishery;

(8) require that one or more observers be carried on board a vessel of the United States engaged in fishing for species that are subject to the plan, for the purpose of collecting data necessary for the conservation and management of the fishery; except that such a vessel shall not be required to carry an observer on board if the facilities of the vessel for the quartering of an observer, or for carrying out observer functions, are so inadequate or unsafe that the health or safety of the observer or the safe operation of the vessel would be jeopardized;

(9) assess and specify the effect which the conservation and management measures of the plan will have on the stocks of naturally spawning anadromous fish in the region;

(10) include, consistent with the other provisions of this Act, conservation and management measures that provide harvest incentives for participants within each gear group to employ fishing practices that result in lower levels of bycatch or in lower levels of the mortality of bycatch;

(11) reserve a portion of the allowable biological catch of the fishery for use in scientific research; and

(12) prescribe such other measures, requirements, or conditions and restrictions as are determined to be necessary and appropriate for the conservation and management of the fishery.

97-453, 104-297

(c) PROPOSED REGULATIONS.--Proposed regulations which the Council deems necessary or appropriate for the purposes of--

(1) implementing a fishery management plan or plan amendment shall be submitted to the Secretary simultaneously with the plan or amendment under section 304; and

(2) making modifications to regulations implementing a fishery management plan or plan amendment may be submitted to the Secretary at any time after the plan or amendment is approved under section 304.

104-297

(d) INDIVIDUAL FISHING QUOTAS.--

(1) (A) A Council may not submit and the Secretary may not approve or implement before

October 1, 2000, any fishery management plan, plan amendment, or regulation under this Act which creates a new individual fishing quota program.

(B) Any fishery management plan, plan amendment, or regulation approved by the Secretary on or after January 4, 1995, which creates any new individual fishing quota program shall be repealed and immediately returned by the Secretary to the appropriate Council and shall not be resubmitted, reapproved, or implemented during the moratorium set forth in subparagraph (A).

(2) (A) No provision of law shall be construed to limit the authority of a Council to submit and the Secretary to approve the termination or limitation, without compensation to holders of any limited access system permits, of a fishery management plan, plan amendment, or regulation that provides for a limited access system, including an individual fishing quota program.

(B) This subsection shall not be construed to prohibit a Council from submitting, or the Secretary from approving and implementing, amendments to the North Pacific halibut and sablefish, South Atlantic wreckfish, or Mid-Atlantic surf clam and ocean (including mahogany) quahog individual fishing quota programs.

(3) An individual fishing quota or other limited access system authorization--

(A) shall be considered a permit for the purposes of sections 307, 308, and 309;

(B) may be revoked or limited at any time in accordance with this Act;

(C) shall not confer any right of compensation to the holder of such individual fishing quota or other such limited access system authorization if it is revoked or limited; and

(D) shall not create, or be construed to create, any right, title, or interest in or to any fish before the fish is harvested.

(4) (A) A Council may submit, and the Secretary may approve and implement, a program which reserves up to 25 percent of any fees collected from a fishery under section 304(d)(2) to be used, pursuant to section 1104A(a)(7) of the Merchant Marine Act, 1936 (46 U.S.C. App. 1274(a)(7)), to issue obligations that aid in financing the--

(i) purchase of individual fishing quotas in that fishery by fishermen who fish from small vessels; and

(ii) first-time purchase of individual fishing quotas in that fishery by entry level fishermen.

(B) A Council making a submission under subparagraph (A) shall recommend criteria, consistent with the provisions of this Act, that a fisherman must meet to qualify for guarantees under clauses (i) and (ii) of subparagraph (A) and the portion of funds to be allocated for guarantees

under each clause.

(5) In submitting and approving any new individual fishing quota program on or after October 1, 2000, the Councils and the Secretary shall consider the report of the National Academy of Sciences required under section 108(f) of the Sustainable Fisheries Act, and any recommendations contained in such report, and shall ensure that any such program--

(A) establishes procedures and requirements for the review and revision of the terms of any such program (including any revisions that may be necessary once a national policy with respect to individual fishing quota programs is implemented), and, if appropriate, for the renewal, reallocation, or reissuance of individual fishing quotas;

(B) provides for the effective enforcement and management of any such program, including adequate observer coverage, and for fees under section 304(d)(2) to recover actual costs directly related to such enforcement and management; and

(C) provides for a fair and equitable initial allocation of individual fishing quotas, prevents any person from acquiring an excessive share of the individual fishing quotas issued, and considers the allocation of a portion of the annual harvest in the fishery for entry-level fishermen, small vessel owners, and crew members who do not hold or qualify for individual fishing quotas.

104-297, sec. 108(b), M-S Act SS 303 note

IMPLEMENTATION.--Not later than 24 months after the date of enactment of this Act [P.L. 104-297], each Regional Fishery Management Council shall submit to the Secretary of Commerce amendments to each fishery management plan under its authority to comply with the amendments made in subsection (a) of this section [i.e., the P.L. 104-297 revisions to SS 303(a)(1), (5), (7), and (9), and the addition of SS 303(a)(10)-(14)].

104-297, sec. 108(i), M-S Act SS 303 note

EXISTING QUOTA PLANS.--Nothing in this Act [P.L. 104-297] or the amendments made by this Act shall be construed to require a reallocation of individual fishing quotas under any individual fishing quota program approved by the Secretary before January 4, 1995.

## **ATTACHMENT 2**

### **NMFS-SPECIFIC PLAN TO MEET THE GOALS AND OBJECTIVES OF THE RECREATIONAL FISHERY RESOURCES CONSERVATION PLAN 1996 - 2001**

December 31, 1996

"The nation behaves well if it treats the natural resources as assets which it must turn over to the next generation increased and not impaired in value" Theodore Roosevelt

#### **Importance of Recreational Fisheries**

- \* Recreational marine fisheries and related industries are supported by annual direct expenditures from sport fishing of more than \$7 billion.
- \* Nationwide, the sport fishing industry provides for more than one million jobs. The multiplier effect of these industries provides for billions of dollars in economic activity to the U.S. economy.
- \* Clearly, healthy fisheries greatly benefit the nation. These valuable resources must be managed to ensure that their benefits are sustainable.

#### **NMFS Role in Recreational Fisheries**

- \* The National Marine Fisheries Service is responsible for the stewardship of our nation's living marine resources and their habitat extending over more than two million square nautical miles of ocean and coastal areas known as the U.S. Exclusive Economic Zone (EEZ).
- \* NMFS major activities include surveys of stocks, collection of catch data, research on living marine resources, protecting marine habitats and endangered and threatened marine species, protecting marine mammals, setting marine fish harvest quotas and other regulations necessary for conservation and management, and investigating seafood quality and safety issues.
- \* This plan is designed to build upon and strengthen NMFS commitment to the goal of providing for increased recreational fishing opportunities nationwide through the conservation, restoration, and enhancement of marine systems and fish populations, increasing fishing access, education and outreach, and increasing partnership opportunities. This plan is an outline of agency actions to overcome obstacles to healthy marine fishery resources and to help safeguard the valuable recreational fishing provides., cultural, and economic benefits that recreational While it is directed at enhancing recreational fishing opportunities, achievement of its objectives will benefit all users of our national marine fisheries resources.

## **President's Executive Order on Recreational Fisheries**

On June 7, 1995, President Clinton signed Executive Order 12962 - Recreational Fisheries. The Executive Order recognized the social, cultural, and economic importance of recreational fishing to the nation and directed Federal agencies to "improve the quantity, function, sustainable productivity, and distribution of U.S. aquatic resources for increased recreational fishing opportunities." Further, the Executive Order established the National Recreational Fisheries Coordination Council consisting of Secretarial designees from the Departments of: Commerce, Interior, Agriculture, Defense, Energy, Transportation, and the Environmental Protection Agency. The Coordination Council was directed, in cooperation with Federal agencies, States and Tribes and after consulting with the Federally chartered Sport Fishing and Boating Partnership Council, to produce the Recreational Fishery Resources Conservation Plan. The Conservation Plan was unveiled on June 3, 1996 and set forth a 5-year agenda for Federal agencies that established: 1.) measurable objectives to conserve and restore aquatic systems, 2.) actions to be taken by Federal agencies, 3.) accountability measures, and 4.) evaluation criteria.

The Conservation Plan directs each federal agency to develop an agency-specific implementation plan that identifies actions needed to meet the goals and objectives of the Plan.

Additionally, the Executive Order directed NMFS and the U.S. Fish and Wildlife Service (FWS) to develop a policy that will reduce conflicts between the administration of the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.) and recreational fisheries. NMFS and FWS published such a policy on June 3, 1996.

## **National Recreational Fishery Resources Conservation Plan**

Goal Statement from the National Plan: "Provide for increased recreational fishing opportunities nationwide through the conservation, restoration, and enhancement of aquatic systems and fish populations, and by increasing fishing access, education and outreach, and partnership opportunities."

## **NMFS Recreational Fisheries Policy to Achieve the National Goal:**

I. Fish Stocks and Fisheries Habitat. - Rebuild and maintain fish stocks and protect, enhance, and restore habitat critical to marine recreational fisheries. Ensure that fisheries management decisions affecting the status of fish stocks consider recreational fishing interests and that the data for making such decisions are collected and analyzed using the best available science.

II. Public Use. - Support and encourage programs and projects designed to enhance marine recreational fishing opportunities for the public.

III. Public Education. - Support, develop and implement programs designed to enhance public awareness and understanding of marine conservation issues relevant to the well-being of marine recreational fishing.

IV. Partnerships. - Establish and encourage the establishment of partnerships between governments and the private sector to advance aquatic resource stewardship and enhance recreational fishing opportunities.

## **PLAN IMPLEMENTATION**

### **Implementation strategy I**

Conserve, enhance and restore recreationally important fish stocks and their habitat.

### **OUTPUTS; Fish Stock Management and Restoration**

Prevent overfishing of currently healthy recreationally important fisheries stocks during the effective years of the Plan.

Rebuild recreationally important stocks to levels consistent with producing maximum sustainable yield (MSY). For example, restore, where appropriate, recreationally important stocks to levels attaining or exceeding 20% spawning potential ratio (SPR).

Develop quantitative economic and social information on recreational fisheries, and based on this credible scientific data, develop effective models to be used by NMFS to ascertain the economic and social impact of fishery management decisions on the recreational community.

Complete research initiatives on tunas, billfishes, and sharks that will significantly enhance knowledge of stock relationships, species interactions, gear avoidance behavior and vulnerability, and geographical ranges.

Establish partnerships for promoting catch and release programs when appropriate as a management tool for conservation of recreationally important stocks.

### **OUTPUTS; Habitat**

Develop, and provide to Regional Fishery Management Councils, essential fish habitat (EFH) guidelines that will assist in amending Fishery Management Plans in accordance with the requirements of the Magnuson-Stevens Act as amended by the Sustainable Fisheries Act of 1996.

In conjunction with the Regional Fisheries Management Councils, identify and characterize critical habitats for recreationally important species under federal management.

Complete baseline habitat inventories by the year 2001.

## **Implementation strategy II**

Develop opportunities for increasing recreational fishing access and facilities in the marine environment.

### **OUTPUTS; Access and Facilities**

Provide the Army Corps of Engineers with revised monitoring guidelines and criteria to be used for projects which include the use of artificial reefs for federally permitted marine construction projects.

Complete Memoranda of Understanding (or similar agreements) with the states and industry to encourage environmentally responsible acquisition and/or expansion of public access opportunities for anglers and boaters.

Establish partnerships with appropriate organizations for environmentally responsible expansion of recreational fishing opportunities for both young and elderly Americans.

Establish partnerships with appropriate organizations to provide for environmentally responsible expansion of recreational fishing opportunities for differently-abled Americans.

Establish partnerships with appropriate organizations to provide for environmentally responsible expansion of recreational fishing opportunities for citizens of the inner cities.

## **Implementation strategy III**

Promote public education and support for marine resource conservation and ethics and recreational angling.

### **OUTPUTS; Education and Outreach**

In addition to NMFS Headquarter's Recreational Fishing (IRF) positions, establish Recreational Fishing Coordinator responsibility as collateral duties in an appropriate functional area in each of the NMFS Regional Offices.

Create recreational fisheries public outreach sections at all Regional offices.

Establish Marine Resources Merit Badge within Scouting and other similar programs.

Establish a liaison with the National Association of Science Teachers (NAST) to incorporate marine fisheries resources conservation into curricula and cosponsor teacher workshops with Sea Grant and National Marine Educators.

Hold annual public meetings in conjunction with state coastal zone management programs to obtain the recreational fishing community's input and involvement and to incorporate recreational fishing issues into marine resource agendas.

In partnership with States, industry and the Sport Fishing and Boating Partnership Council (SFBPC), NMFS will develop, promote and distribute a "Code of Conduct for Recreational Fishing."

Establish and publish procedures for insuring the prompt and efficient notification of the public of issues of importance to the recreational community.

#### **Implementation strategy IV**

Work cooperatively with state and Tribal governments, industry, user and conservation groups and other potential partners to advance marine resource conservation, enhance recreational fishing opportunities and establish cost share programs.

#### **OUTPUTS; Cooperative Programs**

Establish criteria for NMFS to cosponsor youth, senior, inner city, and differently-abled fishing tournaments.

Establish, utilize and/or augment cost-share education programs with the Interstate Marine Fisheries Commissions.

Participate in joint efforts with other federal agencies and the states to restore and enhance historically important recreational anadromous fish runs.

Ensure that reports and publications resulting from NMFS research on recreational fisheries are communicated to the public in understandable terms using the world wide web and other appropriate means.

#### **REGIONAL SUPPORT ACTIVITIES**

(These activities are not currently funded and are listed for future consideration as funding permits)

- \* Support the preparation and distribution (utilizing Saltenstall/Kennedy grants and other similar funding sources) of videos or other appropriate media on recreational angling ethics and practices in regional context.
- \* Support the establishment of NMFS Regional mini-grant programs (approximately \$10 to \$20K) for local nonprofit conservation groups to support recreational fishing educational activities.
- \* Support the publication and distribution of Regional marine recreational fishing handbooks, containing information such as license requirements, time of openings/closings, when and where to fish for certain species, fishing ethics, etc.
- \* Promote programs for increasing recreational fishing data flow by increasing current and establishing new tag and release partnerships.
- \* Support expanded acquisition and reliability of recreational fisheries statistics, and their subsequent incorporation into a recreational-specific public information document.

## **EVALUATION**

Each year at the end of March, as required by Executive Order 12962, a report will be provided to the Sport Fishing and Boating Partnership Council, utilizing currently captured and reported data, that will indicate progress made and whether more marine recreational fishing opportunities are being provided.

Additionally, NMFS is taking strong steps, in cooperation with the Interstate Marine Fisheries Commissions, States and stakeholders, to increase recreational fisheries data reliability, increase data comparability and accuracy and allow for better and faster sharing of marine recreational fisheries data.

Information Contact:

Recreational Fisheries

National Marine Fisheries Service  
Office of Intergovernmental and Recreational Fisheries  
8484 Georgia Avenue, Suite 425  
Silver Spring, MD 20910

## ATTACHMENT 3

### Marine Recreational Fisheries Statistics - Executive Order 12962

By the authority vested in me as President by the Constitution and the laws of the United States of America, and in furtherance of the purposes of the Fish and Wildlife Act of 1956 (16 U.S.C. 742a-d, and e-j), the Fish and Wildlife Coordination Act (16 U.S.C. 661-666c), the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.), and the Magnuson Fishery Conservation and Management Act (16 U.S.C. 1801-1882), and other pertinent statutes, and in order to conserve, restore, and enhance aquatic systems to provide for increased recreational fishing opportunities nationwide, it is ordered as follows:

**Section 1. Federal Agency Duties.** Federal agencies shall, to the extent permitted by law and where practicable, and in cooperation with the States and Tribes, improve the quantity, function, sustainable productivity, and distribution of U.S. aquatic resources for increased recreational fishing opportunities by:

- (a) developing and encouraging partnerships between governments and the private sector to advance aquatic resource conservation and enhance recreational fishing opportunities;
- (b) identifying recreational fishing opportunities that are limited by water quality and habitat degradation and promoting restoration to support viable, healthy, and where feasible, self-sustaining recreational fisheries;
- (c) fostering sound aquatic conservation and restoration endeavors to benefit recreational fisheries; (d) providing access to and promoting awareness of opportunities for public participation and enjoyment of U.S. recreational fishery resources;
- (e) supporting outreach programs designed to stimulate angler participation in the conservation and restoration of aquatic systems;
- (f) implementing laws under their purview in a manner that will conserve, restore, and enhance aquatic systems that support recreational fisheries;
- (g) establishing cost-share programs, under existing authorities, that match or exceed Federal funds with nonfederal contributions;
- (h) evaluating the effects of Federally funded, permitted, or authorized actions on aquatic systems and recreational fisheries and document those effects relative to the purpose of this order; and
- (i) assisting private landowners to conserve and enhance aquatic resources on their lands.

**Section 2. National Recreational Fisheries Coordination Council.** A National Recreational Fisheries Coordination Council ("Coordination Council") is hereby established. The Coordination Council shall consist of seven members, one member designated by each of the following Secretaries - Interior, Commerce, Agriculture, Energy, Transportation, and Defense - and one by the Administrator of the Environmental Protection Agency. The Coordination Council shall:

- (a) ensure that the social and economic values of healthy aquatic systems that support recreational fisheries are considered by Federal agencies in the course of their actions;
- (b) reduce duplicative and cost-inefficient programs among Federal agencies involved in conserving or managing recreational fisheries;
- (c) share the latest resource information and management technologies to assist in the conservation and management of recreational fisheries;
- (d) assess the implementation of the Conservation Plan required under section 3 of this order; and (e) develop a biennial report of accomplishments of the Conservation Plan.

The representatives designated by the Secretaries of Commerce and Interior shall cochair the Coordination Council.

**Section 3. Recreational Fishery Resources Conservation Plan.**

(a) Within 12 months of the date of this order, the Coordination Council, in cooperation with Federal agencies, States, and Tribes, and after consulting with the Federally chartered Sport Fishing and Boating Partnership Council, shall develop a comprehensive Recreational Fishery Resources Conservation Plan ("Conservation Plan").

(b) The Conservation Plan will set forth a 5-year agenda for Federal agencies identified by the Coordination Council. In so doing, the Conservation Plan will establish, to the extent permitted by law and where practicable;

- (1) measurable objectives to conserve and restore aquatic systems that support viable and healthy recreational fishery resources,
- (2) actions to be taken by the identified Federal agencies,
- (3) a method of ensuring the accountability of such Federal agencies, and
- (4) a comprehensive mechanism to evaluate achievements.

The Conservation Plan will, to the extent practicable, be integrated with existing plans and programs, reduce duplication, and will include recommended actions for cooperation with States,

Tribes, conservation groups, and the recreational fisheries community.

**Section 4. Joint Policy for Administering the Endangered Species Act of 1973.** All Federal agencies will aggressively work to identify and minimize conflicts between recreational fisheries and their respective responsibilities under the Endangered Species Act of 1973 ("ESA") (16 U.S.C. 1531 et seq.). Within 6 months of the date of this order, the Fish and Wildlife Service and the National Marine Fisheries Service will promote compatibility and reduce conflicts within the administration of the ESA and recreational fisheries by developing a joint agency policy that will;

- (1) ensure consistency in the administration of the ESA between and within the two agencies,
- (2) promote collaboration with other Federal, State, and Tribal fisheries managers, and
- (3) improve and increase efforts to inform nonfederal entities of the requirements of the ESA.

**Section 5. Sport Fishing and Boating Partnership Council.** To assist in the implementation of this order, the Secretary of the Interior shall expand the role of the Sport Fishing and Boating Partnership Council to:

- (a) monitor specific Federal activities affecting aquatic systems and the recreational fisheries they support;
- (b) review and evaluate the relation of Federal policies and activities to the status and conditions of recreational fishery resources; and
- (c) prepare an annual report of its activities, findings, and recommendations for submission to the Coordination Council.

**Section 6. Judicial Review.** This order is intended only to improve the internal management of the executive branch and it is not intended to create any right, benefit or trust responsibility, substantive or procedural, enforceable at law or equity by a party against the United States, its agencies, its officers, or any other person.

WILLIAM J. CLINTON

June 7, 1995

Federal Register Volume 60, No. 111: pp. 30769-30770

This page was last modified 5/18/99.

burden of the collection of information on respondents, including through the use of automated collection techniques or other forms of information technology.

Comments submitted in response to this notice will be summarized and/or included in the request for OMB approval of this information collection; they also will become a matter of public record.

Dated: May 10, 2001.

**Madeleine Clayton,**

*Departmental Paperwork Clearance Officer,  
Office of the Chief Information Officer.*

[FR Doc. 01-12362 Filed 5-15-01; 8:45 am]

BILLING CODE 3510-KD-S

## DEPARTMENT OF COMMERCE

### National Oceanic and Atmospheric Administration

[I.D. 051001E]

#### Marine Recreational Fishery Statistics Survey

**AGENCY:** National Oceanic and Atmospheric Administration (NOAA).

**ACTION:** Proposed information collection; comment request.

**SUMMARY:** The Department of Commerce, as part of its continuing effort to reduce paperwork and respondent burden, invites the general public and other Federal agencies to take this opportunity to comment on proposed and/or continuing information collections, as required by the Paperwork Reduction Act of 1995, Pub. L. 104-13 (44 U.S.C. 3506(c)(2)(A)).

**DATES:** Written comments must be submitted on or before July 16, 2001.

**ADDRESSES:** Direct all written comments to Madeleine Clayton, Departmental Paperwork Clearance Officer, Department of Commerce, Room 6086, 14th and Constitution Avenue NW., Washington DC 20230 (or via the Internet at MClayton@doc.gov).

#### FOR FURTHER INFORMATION CONTACT:

Requests for additional information or copies of the information collection instrument(s) and instructions should be directed to Dr. David A. Van Voorhees, U. S. Department of Commerce, NOAA, National Marine Fisheries Service, Fisheries Statistics & Economics Division, F/ST1, Room 12454, 1315 East-West Highway, Silver Spring, MD 20910 (phone: 301-713-2328, ext. 154).

#### SUPPLEMENTARY INFORMATION:

## I. Abstract

Marine recreational anglers are surveyed for catch and effort data, fish biology data, and angler socioeconomic characteristics. These data are required to carry out provisions of the Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. 1801 *et seq.*), as amended, regarding conservation and management of fishery resources.

## II. Method of Collection

A random-digit-dialing telephone survey of coastal zone households collects data on the proportion of marine fishing households and the number of shore and private/rental boat fishing trips by residents of those households. A directory telephone survey of boat operators collects data on the numbers of angler fishing trips on party and charter boats. On-site intercept interviews of marine recreational anglers collect data on the catch per trip by species. Supplemental surveys collect economic data about marine recreational fishing.

## III. Data

*OMB Number:* 0648-0052.

*Form Number:* None.

*Type of Review:* Regular submission.

*Affected Public:* Individuals or households, business or other for-profit organizations.

*Estimated Number of Respondents:* 585,383.

*Estimated Time Per Response:* 7 minutes for fishing households, 7 minutes for party/charter boat operators, 4.5 minutes for intercepted anglers, 3 minutes for supplemental economic data from fishing households, 5 minutes for supplemental economic data from party/charter boat operators, 8 minutes for supplemental economic data from intercepted anglers, 1.5 minutes for verification calls, 1 minute for non-fishing households, .5 minutes for non-households.

*Estimated Total Annual Burden*

*Hours:* 27,207.

*Estimated Total Annual Cost to Public:* \$0.

## IV. Request for Comments

Comments are invited on: (a) whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information shall have practical utility; (b) the accuracy of the agency's estimate of the burden (including hours and cost) of the proposed collection of information; (c) ways to enhance the quality, utility, and clarity of the information to be collected; and (d) ways to minimize the

burden of the collection of information on respondents, including through the use of automated collection techniques or other forms of information technology.

Comments submitted in response to this notice will be summarized and/or included in the request for OMB approval of this information collection; they also will become a matter of public record.

Dated: May 10, 2001.

**Madeleine Clayton,**

*Departmental Paperwork Clearance Officer,  
Office of the Chief Information Officer.*

[FR Doc. 01-12364 Filed 5-15-01; 8:45 am]

BILLING CODE 3510-22-S

## DEPARTMENT OF COMMERCE

### National Oceanic and Atmospheric Administration

[I.D. 051001F]

#### Processed Products Family of Forms

**AGENCY:** National Oceanic and Atmospheric Administration (NOAA).

**ACTION:** Proposed information collection; comment request.

**SUMMARY:** The Department of Commerce, as part of its continuing effort to reduce paperwork and respondent burden, invites the general public and other Federal agencies to take this opportunity to comment on proposed and/or continuing information collections, as required by the Paperwork Reduction Act of 1995, Pub. L. 104-13 (44 U.S.C. 3506(c)(2)(A)).

**DATES:** Written comments must be submitted on or before July 16, 2001.

**ADDRESSES:** Direct all written comments to Madeleine Clayton, Departmental Paperwork Clearance Officer, Department of Commerce, Room 6086, 14th and Constitution Avenue NW., Washington DC 20230 (or via the Internet at MClayton@doc.gov).

#### FOR FURTHER INFORMATION CONTACT:

Requests for additional information or copies of the information collection instrument(s) and instructions should be directed to Steven J. Koplin, F/ST1, Room 12456, 1315 East-West Highway, Silver Spring, MD 20910-3282 (phone 301-713-2328, ext. 209).

#### SUPPLEMENTARY INFORMATION:

## I. Abstract

NOAA annually collects information from seafood and industrial fishing processing plants on the volume and value of their processed fishery products and their monthly employment figures. NOAA also

The collection of surveys that comprise the Marine Recreational Fishery Statistics Survey (OMB No. 0648-0052) are being conducted primarily to obtain accurate representation of marine recreational fishing effort and catch. The information collected will be used to calculate unbiased estimates of the numbers of fishing trips taken, as well as the numbers and species composition of finfish caught, by marine recreational anglers. Supplemental surveys are being conducted to collect biological data needed to determine the size, age, and gender composition of catch of certain species, as well as economic data needed to accurately assess both the economic values and economic impacts of marine recreational fishing for certain finfish species. Such statistics are required for accurate assessment and effective management of marine fishery stocks. Information collected by these surveys is authorized under the Fish and Wildlife Act of 1956 and the Fishery Conservation and Management Act of 1976.

Your participation in these surveys is voluntary, and your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100. Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

Public reporting burdens for the different components of the Marine Recreational Fishery Statistics Survey (OMB No. 0648-0052) are estimated as shown in the following table:

<b>Survey Component</b>	<b>Estimated Burden per Response</b>
Household Telephone Survey of Fishing Effort	7.0 minutes
Household Telephone Survey - Non-fishing Households	1.0 minute
Household Telephone Survey - Non-household Contacts	0.5 minute
Intercept Survey of Catch per Unit Effort	4.5 minutes
Intercept Survey Interview Verification Calls	1.5 minutes
Economic Household Telephone Survey	3.0 minutes
Economic Intercept & Telephone Follow-Up Survey	8.0 minutes
Economic Intercept & Mail Follow-Up Survey	15.0 minutes
Vessel Operator Telephone Survey of Fishing Effort	7.0 minutes
Vessel Operator Verification Calls	2.0 minutes
Economic Vessel Operator In-Person Survey	60.0 minutes
Economic Vessel Operator Telephone Survey	8.0 minutes
Biological Data Collection	1.0 minutes

Estimated burdens include the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding these burden estimates or any other aspect of this collection of information, including suggestions for reducing the burdens, to:

Fisheries Statistics and Economics Division, F/ST1  
Office of Science and Technology  
National Marine Fisheries Service  
1315 East-West Highway, Room 12455  
Silver Spring, MD 20910.

## RECREATIONAL FISHING QUESTIONNAIRE

### Revised Questionnaire for 2002

Intro *{If state of residence ne HI}*

*{If state of residence=HI}*

 $\{All\}$ 

**-End Household Introduction-**

If no instructions are specified next to a response, continue to the next question.

Q1 How many people in this household go fishing?

1	{total response, range 1-20}
---	------------------------------

0      none

```

99      Refused                                {go to termination screen, code as resistant}

```

Q2 To help me assign your information to the correct location, is the telephone

number I've reached you at located in {restore name from sample} county / parish / island / municipality?

- 1 Yes
- 2 No {go to Q7 - GENDER}
- 8 DK {go to termination screen and code as resistant}
- 9 R {go to termination screen and code as resistant}

[If State is not Louisiana, Puerto Rico, U.S. Virgin Islands or Hawaii, use "county"

If State is Louisiana, use parish.

If State is Puerto Rico, ask the municipality - it can not be determined ahead of time. "In what municipality do you live?"

If State is U.S. Virgin Islands or Hawaii, ask the island - it can not be determined ahead of time, except that Hawaii telephone prefixes have some relationships to groups of islands. "On what island do you live?"

Q3 Is this your permanent residence?

- 1 Yes
- 2 No {go to Q7 - GENDER}
- 99 R {go to terminate screen and code as resistant}

[Interviewer prompt if needed: "Where you live at least 6 months out of the year."]

Q4 How many people in total, including yourself, live in your household? Please include those people who fish and those who don't fish. [Maximum = 20]

- 1 {record response}
- 99 R/DK {go to terminate screen and code as resistant}

[INTERVIEWER: If response is greater than 15, please prompt to confirm total number of people living in household.]

[Interviewer: If response is less than answer to Q1, this indicates that there are fewer people *living* in the household than there are *fishers* in the household. Please clarify with the respondent as needed.]

[If response to Q1 is zero, then go to Q7 - GENDER.  
Otherwise continue.]

-----End of Household Quality Control Screeners -----

-

-----Eligible Household Screener-----

-

We want to gather information from people who have been recreational saltwater fishing

for finfish, not shellfish. Recreational fishing means the primary purpose of the fishing is for fun or relaxation, as opposed to providing income from the sale of fish. We're not interested in trips where your main purpose was to catch fish which you would sell to make money. Saltwater fishing includes fishing in oceans, sounds, or bays, or in brackish portions of rivers. We are not interested in any fishing in freshwater lakes, streams, ponds or rivers.

Q5 How many people in your household, including children and adults, have been recreational saltwater fishing in the last 12 months anywhere in the US (including Hawaii and the mainland) or in a US territory?

1-20 {record response}

0 ZERO {go to GENDER }

98 DK {go to terminate screen and code as resistant}

99 R {go to terminate screen and code as resistant}

[INTERVIEWER: If Response is greater than 10, please prompt to confirm total number of people that are 12 month fishers.]

[Total fishermen in household - Q1 - must be greater than or equal to 12 Month Fishermen]

[Wording varies slightly if the answer to Q5 is 1. "Has the person who fishes been recreational saltwater fishing in the last 12 months in the US or a US territory?"]

Q6 Thinking just about the past 2 months, how many of the people living in your household, including children and adults, have been recreational saltwater fishing in the last 2 months in the US or a US territory? [Maximum = 20]

1-20 {record response}

0 NONE {record response and go to Q7 - GENDER}

98 DK {ask for someone else -

read intro & continue or terminate with scheduled call back}

99 R {ask for someone else -

read intro & continue or terminate with scheduled call back}

[If response is greater than 10, prompt to confirm the number of people in the household that have been recreational saltwater fishing in the past 2 months.]

[12 Month Fishermen must be greater than or equal to 2 Month fishermen]

[Wording varies slightly if the answer to Q5 is 1. "Thinking just about the past 2 months, has the person who fishes been recreational saltwater fishing in the last 2 months in the US or a US territory?"]

{LABEL GENDER}

Q7 INTERVIEWER: Record gender of respondent (based on voice - not asked)

1 male

2 female

[If response to Q1 is zero (no fishermen in household) or response to Q6 is zero (no 2 month fishermen), then go to terminate screen.]

[If Q6>0 then continue.]

Q8a I'd like to ask each person who has been recreational saltwater fishing in the last 2 months a few questions about their fishing trip(s). To simplify the interview, would you tell me the first names of the people in your household who have been saltwater fishing in the past 2 months?

1 {record names - up to 20}

9 DK/R {suspend with "resistant" message}

[If number of 2-month recreational saltwater fishermen=1, use: "I'd like to ask the person who has been recreational saltwater fishing in the last 2 months a few questions about his/her fishing trip(s). To simplify the interview, would you tell me the first name of the person in your household who has been saltwater fishing in the past 2 months?"]

[NOTE TO INTERVIEWER: If respondent won't give you names, ask for identifiers such as mother, father, oldest child, second oldest child, etc]

Q8b Are you [one of the people {the person, *if one angler*}] in your household who has been saltwater fishing in the last 2 months?

1 yes

2 no {transfer to someone else}

3 no - no one is available {suspend schedule callback}

9 R {suspend with "resistant" message}

-----End of household eligibility screening -----

-----Angler screening questionnaire-----

The angler screener should be repeated for each new respondent in the household in order to define their eligibility for the survey.

Hello, I'm conducting a survey on recreational saltwater fishing for the National Marine Fisheries Service. Recreational fishing means the primary purpose of the fishing is for fun or relaxation, as opposed to providing income from the sale of fish. We're not interested in trips where your main purpose was to catch fish which you would sell to make money. By saltwater fishing, I mean fishing in oceans, sounds, or bays, or in brackish portions of rivers. For the purpose of this survey, it includes only fishing for finfish, not shellfish.

This survey is being conducted in accordance with the Privacy Act of 1974, therefore you are not obligated to answer any question if you find it to be an intrusion of your privacy.

I understand that you've been saltwater fishing in the past 2 months. I'd like to ask you a few questions about your most recent recreational saltwater fishing trips.

- Q1 {Ask of first eligible respondent if more than one eligible fishermen in the household}  
First, did all of the fisherman in your household take all of their fishing trips together over the last 2 months?
- |   |     |   |
|---|-----|---|
| 1 | yes | {program should repeat trip information for all eligible respondents} |
| 2 | no  | {interviewer should attempt to interview all eligible respondents}    |
| 8 | DK  | {interviewer should attempt to interview all eligible respondents}    |
| 9 | R   | {interviewer should attempt to interview all eligible respondents}    |

If state of residence ne Hawaii go to Trip Profiling Questionnaire.

If state of residence eq Hawaii, continue with fisherman categorization questions.

----- **Fisherman Categorization Questions - Hawaii only** -----

- H1 Which of the following three categories best represents your fishing activities?
1. You never sell any of your catch
  2. You sometimes sell fish to help cover fishing expenses
  3. You sell fish for profit to pay your living expenses

- H2 [If H1=3] Do you consider yourself a full-time commercial fisherman?
- 1 Yes
  - 2 No

{Fishermen categorization codes}

If H1=1, then category=1 (pure recreational)

If H1=2, then category=2 (recreational expense)

If H1=3 and H2=no, then category=3 (part-time commercial)

If H1=3 and H2=yes, then category=4 (full-time commercial)}

- H3 [If category=3 or 4] How many of the {total trips} trips that you mentioned were commercial fishing trips? [As needed: For this survey, any trip where you sold some of the catch for profit beyond expenses is considered to be a commercial fishing trip.]
- |    |                          |
|----|--------------------------|
| 00 | None                     |
| 01 | {record number of trips} |
| DK |                          |
| R  |                          |

H4 [If H3 < total trips] Were the other {total trips-H3} trips purely recreational trips (where you sold none of the catch)?

- 1 Yes
- 2 No
- 8 DK
- 9 R

H5 [If H4=2] How many were purely recreational?

- 00 None
- 01 {record number of trips}
- DK
- R

[Interviewer: If the respondent's total trips don't add up, please probe for the correct information.]

You entered:

## - Total in-state trips

## - Total out-of-state trips

## - Commercial trips

## - Recreational trips}

[If total trips (all commercial), fisherman interview ends as non-2 month fisher.]

[If respondent has recreational trips: We'd like to ask you about just those recreational fishing trips. Continue with trip profiling.]

----- End of Fisherman Categorization Questions - Hawaii only -----

----- End of angler screening questionnaire -----

----- Trip profiling questionnaire -----

*{First, determine the number of trips}*

Q1 On how many days in the past two months, between {restore TODAY- days in wave} AND {restore TODAY-1}, did you (s/he) go recreational saltwater fishing in {restore state} or in a boat launched from {restore state}?

- 1-62 {record response}
- 0 NONE
- 98 DK
- 99 R

[If response is greater than 5 trips, prompt to confirm. ]

[for answers of 98 or 99: Try to get an estimate before using this response category]

- Q2 On how many days in the past two months, between {restore TODAY- days in wave} and {restore TODAY-1}, did you (s/he) go saltwater fishing in any coastal state or territory of the US other than {restore state} or from a boat launched from another coastal state or territory of the US?
- 1-62 {record response}
- 0 NONE
- 98 DK
- 99 R

[If response is greater than 5, prompt to confirm. ]

[for answers of 98 or 99: Try to get an estimate before using this response category]

[if answers to both Q1 and Q2 are 0, then this is not an eligible fisherman]

[if answers to both Q1 and Q2 are 98 and/or 99, then suspend with resistant message for callback]

***{Begin the loop of questions to be asked of each trip. Note: Often as the interviewer and respondent are profiling the trips, at some point the respondent will say that “all of the trips were the same”. E.g. an angler who fishes off of his dock twenty days. The interviewer should be able to exit the loop and, after confirmation, code remaining trips as “all the same.”}***

----- Trip loop questionnaire -----

**The following questions are asked for each of the days indicated in Q1 and Q2.**

- Q3 [Ask for 1<sup>st</sup> trip] When did you (s/he) last go saltwater fishing? I have a calendar with me in case we need to look up some of the specific dates.
- 1 {record Month & Day}
- 77 Stop recording trip details {Go to Q3a}
- 99 R {go to end triploop}
- [Ask if not 1<sup>st</sup> trip] When was the next most recent saltwater fishing trip?
- 1 {record Month & Day}
- 66 no more trips during the time period {go to end triploop}
- 77 Stop recording trip details {Go to Q3a}
- 99 R {go to end triploop}
- Q3a [If respondent can't remember the date in Q3, ask] Was that a weekday or weekend?
- 2 If weekday, enter WD {record WD}
- 3 If weekend, enter WE {record WE}
- 77 Stop recording trip details {go to end triploop}
- 98 If DK, enter DK {record DK} {go to end triploop}
- 99 R {go to end triploop}

Q4 On that day, did you ( he/she) fish from a boat?

1	yes	
2	no	{go to Q6 - SHORE}
7	Stop recording trip details	{go to end triploop}
8	DK	{go to end triploop}
9	Refused	{go to end triploop}

Q5 [Ask if Q4 =1] Was that from a ... [read]

1	Party or head boat -- CATEGORY B	
2	Charter boat -- CATEGORY B	
3	Private boat -- CATEGORY C	
4	Rental boat -- CATEGORY C	
5	Boat - don't know what type -- CATEGORY C	
	[Interviewer: Using mode definitions, probe before choosing this answer]	
7	Stop recording trip details	{go to end triploop}
8	DK	{go to end triploop}
9	Refused	{go to end triploop}

[Interviewer: A respondent may choose up to two responses for the day but the two responses CAN NOT be from the same category - i.e.  
Allow the following boat mode combinations: (1&3) OR (2&3) OR (1&4) OR (2&4) OR (1&5) OR (2&5)]

Q5a [If party/head boat, ask:] Are you the captain or mate of a party or head boat?  
[If charter boat, ask:] Are you the captain or member of the crew of a charter boat?

1	yes	{record answer and read instructions}
2	no	(record answer and continue)
7	stop recording details	{go to end triploop}
8	DK	{go to end triploop}
9	R	{go to end triploop}

If Q5a=1 then say: For this survey, we are only interested in those trips you might have taken for your own enjoyment where you did NOT have paying customers. From now on, please only tell me about trips where you did NOT have paying customers.

{LABEL SHORE}

Q6 [If state of residence ne HI] On that day, did you (he/she) {also} fish from the shore?  
[If state of residence=HI] On that day, did you (he/she) {also} fish from the shoreline or reef?

{**Note:** If the angler responded in Q4 that “yes” he did fish from a boat, then Q6 should include the word “also”. If an angler fishes from a boat and from the shore on the same day, that is considered to be two trips, and each should be profiled in the trip loop.}

- |   |                             |                      |
|---|-----------------------------|----------------------|
| 1 | yes                         |                      |
| 2 | no                          |                      |
| 7 | Stop recording trip details | {go to end triploop} |
| 8 | DK                          | {go to end triploop} |
| 9 | Refused                     | {go to end triploop} |

[also means piers, docks, jetties, etc.]

- Q7 [Ask if Q6=1] Was that from ... [read]
- |   |                             |                      |
|---|-----------------------------|----------------------|
| 1 | The beach or bank           |                      |
| 2 | A pier                      |                      |
| 3 | A dock                      |                      |
| 4 | A jetty or breakwater       |                      |
| 5 | A bridge or causeway        |                      |
| 6 | Other manmade structure     |                      |
| 7 | Stop recording trip details | {go to end triploop} |
| 8 | DK                          | {go to end triploop} |
| 9 | Refused                     | {go to end triploop} |

[If respondent fished from more than one of the following on the same day, ask for the last place he/she fished from that day]

----- **Individual Trip Details** -----

{ The following questions are asked for each trip/mode combination within a day. Individual questions depend upon the mode of the trip. }

- Q8a [For boat trips, use:] Did the boat return to {restore state or territory}?
- [For shore trips, use:] Were you fishing in {restore state or territory}?
- |   |                             |                                 |
|---|-----------------------------|---------------------------------|
| 1 | yes                         | {record response and go to Q9}  |
| 2 | no                          | {record response and go to Q8b} |
| 7 | Stop recording trip details | {go to end triploop}            |
| 8 | DK                          | {record response and go to Q8b} |
| 9 | R                           | {record response and go to Q8b} |

- Q8b [For boat trips, use:] To what coastal state or US territory did the boat return?
- [For shore trips, use:] In what state or U.S. territory were you fishing?
- [Prompt as needed.]
- |    |             |
|----|-------------|
| 1  | Alabama     |
| 2  | Alaska      |
| 6  | California  |
| 9  | Connecticut |
| 10 | Delaware    |
| 12 | Florida     |
| 13 | Georgia     |

15	Hawaii	
22	Louisiana	
23	Maine	
24	Maryland	
25	Massachusetts	
28	Mississippi	
33	New Hampshire	
34	New Jersey	
36	New York	
37	North Carolina	
41	Oregon	
43	Puerto Rico	
44	Rhode Island	
45	South Carolina	
48	Texas	
51	Virginia	
52	U.S. Virgin Islands	
53	Washington	
55	Other - only allowable answers here are any of the Western Pacific territories and protectorates (Guam, American Samoa, American Marianas)	
77	Stop recording trip details	{go to end triploop}
98	DK/R	{go to end triploop}

Q9 [For boat trips, use:] To what coastal county/parish/island/municipality did the boat return?

[If there seems to be confusion, this probe may be used: What county were you in when the boat landed and you stepped off of the boat?"]

[For shore trips, use:] In what coastal county/parish/island/municipality were you fishing?

1	{record return county/parish/island/municipality/}	{record response and continue}
77777	Stop recording trip details	{go to end triploop}
99998	DK	{go to Q9a}
99999	R	{go to Q9a}

[Coastal county is used for all areas except: Louisiana where parish is used, Hawaii and Virgin Islands where island is used, and Puerto Rico where municipality is used.]

A list of allowable coastal counties that actually have salt water fishing sites will be provided. If the county response is not included on the list, the trip would not be considered eligible.

{Q9a is only asked, if the respondent did not know the county of the trip - probe for a city or town}

- Q9a Do you know the name of the city or town that you (he/she) returned to?
- |   |                             |                      |
|---|-----------------------------|----------------------|
| 1 | {record response}           |                      |
| 7 | Stop recording trip details | {go to end triploop} |
| 8 | DK                          | {go to end triploop} |
| 9 | R                           | {go to end triploop} |
- Q10a [For boat trips only:] Does the public have access to the place from which the boat left, or is it private access only?
- |   |   |                      |
|---|---|----------------------|
| 1 | public has access                                     |                      |
| 2 | private access only (the public does not have access) |                      |
| 3 | Military [do not read]                                |                      |
| 4 | private property unlocked marina [do not read]        |                      |
| 7 | Stop recording trip details                           | {go to end triploop} |
| 8 | DK  | {go to end triploop} |
| 9 | R   | {go to end triploop} |
- Q10b [For shore trips only:] Does the public have access to the place where you were fishing, or is it private access only?
- |   |   |                      |
|---|---|----------------------|
| 1 | public has access                                     |                      |
| 2 | private access only (the public does not have access) |                      |
| 3 | Military [do not read]                                |                      |
| 4 | private property unlocked marina [do not read]        |                      |
| 7 | Stop recording trip details                           | {go to end triploop} |
| 8 | DK  | {go to end triploop} |
| 9 | R   | {go to end triploop} |
- Q11 [For boat modes use:] To the closest hour, at what time did the boat return?  
[For shore modes use:] To the closest hour, what time did you stop fishing?
- |    |              |
|----|--------------|
| 1  | 1 am         |
| 2  | 2 am         |
| 3  | 3 am         |
| 4  | 4 am         |
| 5  | 5 am         |
| 6  | 6 am         |
| 7  | 7 am         |
| 8  | 8 am         |
| 9  | 9 am         |
| 10 | 10 am        |
| 11 | 11 am        |
| 12 | 12 pm (NOON) |
| 13 | 1 pm         |
| 14 | 2 pm         |
| 15 | 3 pm         |
| 16 | 4 pm         |

17	5 pm	
18	6 pm	
19	7 pm	
20	8 pm	
21	9 pm	
22	10 pm	
23	11 pm	
24	12 am (MIDNIGHT)	
25	depends on tide	
77	Stop recording trip details	{go to end triploop}
98	DK	{go to end triploop}
99	R	{go to end triploop}

[If respondent says “Depends on tide”, choose that response category.]

[If respondent says it was overnight trip, enter the time trip ended, whether or not it was the same day they left]

Q12 Was most of your fishing effort that day in the ocean, a sound, a river, a bay or an inlet?

1	ocean/ gulf	
2	sound	
3	river	
4	bay	
5	inlet	
6	other {specify}	
7	Stop recording trip details	{goto end triploop}
8	DK	{goto end triploop}
9	R	{goto end triploop}

Q13 [{Ask if state of return is not CA or WA or OR and Q12=river] Was that in the lower part of the river which is brackish?

1	yes	{if state of trip not HI then go to end triploop} {if state of trip is HI then go to HI trip details}
2	no	{trip ineligible - go to triploop}
3	both	{go to end triploop}
7	Stop recording trip details	{go to end triploop}
8	DK	{go to end triploop}
9	R	{go to end triploop}

**{Note:** All states have been asked to provide similar lists of saltwater cut-off points for their rivers. These will be provided and incorporated into this question as it is for CA, WA, and OR. If a list is not provided by a state, then the general question should be asked.}

[Ask if statereturn\_a=6 (CA) and Q12=river] And what river was that? Were you (was s/he) upstream or downstream of the cutoff point, which is {restore cutoff}?

1	the Albion river	{cutoff=at the upper dock}
---	------------------	----------------------------

2	the Big river	{cutoff= the mid-2nd turn upstream}
3	the Eel river	{cutoff= at the upper end cockrobin island}
4	the Klamath river	{cutoff= at the 101 bridge}
5	the Mad river	{cutoff=1/2-way between the river mouth and 101 bridge}
6	the Napa river	{cutoff= south of hwy 37 bridge}
7	the Navaro river	{cutoff= at the hwy 1 bridge}
8	the Noyo river	{cutoff= at the end of dolphin cove marina}
9	the Redwood creek	{cutoff= 1/4-way between river mouth and 101 bridge}
10	the Sacramento river	{cutoff= the Carquinez bridge at crockett}
11	the San Gabriel river	{cutoff= Pacific coast highway bridge / Highway 1}
12	the Smith river	{cutoff=1/2-way between river mouth and 101 bridge}
13	the Ten Mile river	{cutoff= the old dock which is 100 yards upstream from hwy 1 bridge}
14	or another river	{go to boatloop}
77	Stop recording trip details	{record stopcount=previous trip date}
		{goto end triploop}
98	DK	{go to end triploop}
99	R	{go to end triploop}

[Above the cutoff is freshwater and thus the trip is ineligible, go back to start of next trip.  
Below the cutoff is saltwater, therefore skip to Q15]

[Ask if river=1 and statereturn\_a=OR] And what river was that? Were you (was s/he)  
upstream or downstream of the cutoff point, which is {restore cutoff}?

1	Alsea river	{cutoff=Mouth of Eckman Slough}
2	Beaver creek	{go to boatloop}
3	Big Nestucca River	{cutoff=Pacific City Bridge}
4	Chetco river	{cutoff=Hwy 101 bridge}
5	Columbia river	{cutoff=Astoria-Megler Bridge (Hwy 101)}
6	Coos Bay	{set ORnocutoff=1}
7	Coos Esuary	{set ORnocutoff=1}
8	Coos river	{go to boatloop}
9	Coquilla river	{cutoff=Hwy 101 Bridge}
10	D river	{go to boatloop}
11	Elk river	{go to boatloop}
12	Isthmus Slough	{set ORnocutoff=1}
13	Kilchis river	{go to boatloop}
14	Little Nestucca River	{cutoff=Hwy 101 Bridge}
15	Miami river	{go to boatloop}
16	Neconicum river	{cutoff=12th Avenue bridge in town of Seaside}
17	Nehalem river	{cutoff=Hwy 101 Bridge}
18	Netats river/Estuary	{set ORnocutoff=1}
19	Pistol river	{go to boatloop}

20	Rogue river	{cutoff=Hwy 101 bridge}
21	Salmon Habor	{set ORnocutoff=1}
22	Salmon river	{cutoff=Hwy 101 bridge}
23	Sand Lake	{set ORnocutoff=1}
24	Siletz river	{cutoff=Hwy 101 bridge}
25	Siuslau river	{cutoff=town of Florence}
26	Sixes river	{go to boatloop}
27	South Slough	{set ORnocutoff=1}
28	Tillamook Estuary/Bay	{set ORnocutoff=1}
29	Tillamook river	{go to boatloop}
30	Trask river	{go to boatloop}
31	Umpqua river	{cutoff=town of Gardiner}
32	Wilson river	{go to boatloop}
33	Winchester Bay	{set ORnocutoff=1}
34	Winchuck river	{go to boatloop}
35	Yachats river	{go to boatloop}
36	Yaquina Bay	{cutoff=Butler Bridge}
37	other	{go to end triploop}
77	Stop recording trip details	{go to end triploop}
98	DK	{go to end triploop}
99	R	{go to end triploop}

[Above the cutoff is freshwater and thus the trip is ineligible, go back to start of next trip.  
Below the cutoff is saltwater, therefore skip to Q15]

[Ask if river=1 and statereturn\_a = WA] And what river was that? Were you (was s/he)  
upstream or downstream of the cutoff point, which is {restore cutoff}?

1	the Chehalis river	{cutoff=Hwy 7 Bridge at Montesano}
2	the Columbia river	{cutoff= Astoria-Megler bridge (Hwy 101)}
3	the Dosewallips river	{cutoff= Dosewallips State Park, where river leaves camping area}
4	the Duwamish river	{cutoff= Spokane Street bridge is west seattle}
5	the Elk river	{cutoff=Hwy 105 Bridge}
6	the Naselle river	{cutoff= Hwy 101 bridge}
7	the Nemah river	{cutoff= Hwy 101 bridge}
8	the Nisqually river	{cutoff= ½ mile below I-5 bridge}
9	the Nooksack river	{cutoff= Lummi Shore Drive Bridge}
10	the Palix creek	{cutoff= Hwy 101 bridge}
11	the Puyallup river	{cutoff= 11th street bridge in Tacoma (Hwy 509)}
12	the Skagit river	{cutoff= junction of North and South forks}
13	the Snohomish river	{cutoff=Old Hwy 99 Bridge}
14	the Stillaguamish river	{cutoff= Hwy 529 bridge}
15	the Willapa river	{cutoff=South bend}
16	or another river	{go to end triploop}

77	Stop recording trip details	{goto end triploop}
98	DK	{go to end triploop}
99	R	{go to end triploop}

[Above the cutoff is freshwater and thus the trip is ineligible, go back to start of next trip.  
Below the cutoff is saltwater, therefore continue to Q14]

Q14 [Ask if statereturn\_a=WA] What punch card area were you (he/she) fishing in?  
00 to 13

77	Stop recording trip details	{go to end triploop}
98	DK/R	{go to end triploop}

Q15 [Ask if statereturn\_a=CA, OR or WA] Were you (was s/he) targeting salmon?

1	yes	
2	no	
7	Stop recording trip details	{go to end triploop}
8	DK	{go to end triploop}
9	R	{go to end triploop}

Q16 [Ask if statereturn\_a=CA and countyreturn\_a=San Diego] OR [Ask if statereturn\_a=WA and countyreturn\_a={Clallam or Watcom or Skagit or Snohomish}] OR [Ask if statereturn\_a=ME and countyreturn\_a=Washington]

Did you (s/he) fish in foreign waters **AND RETURN TO A US PORT?**

1	yes	
2	no	
7	Stop recording trip details	{go to end triploop}
8	DK	{go to end triploop}
9	R	{go to end triploop}

{ Return to beginning of trip loop to profile next trip, if trips remain. Go to the end of the trip loop if no trips remain. }

----- **Trip Questions - Hawaii only** -----

QH1. Were you targeting any particular kinds of fish on this trip?

1	A'awa (ah-ah-vah)" or Table Boss
2	A'u (pronounced ow)
3	Ahi (ah-hee)
4	Aholehole (ay-ho-lay-ho-lay)
5	Aku (ah-koo)
6	Akule (ah-koo-lee)
7	Albacore (albacore tuna)

8	Amberjack
9	Barracuda
10	Bigeye (bigeye tuna)
11	Billfish
12	Blue marlin
13	Bonefish
14	Convict tang
15	deep water bottomfish
16	Ehu (ay-hoo)
17	Gindai (gin-dye)
18	Goat fish
19	Hahalalu (ha-ha-la-loo)
20	Hapu'upu'u (ha-poo-oo-poo-oo, or ha-pa-poo for short)
21	Hinalea (he-na-lay-ah)
22	Ina (ee-na)
23	Kaku (ka-koo)
24	Kawakawa (kava-kava)
25	Kumu (koo-moo)
26	Mahi (mahimahi)
27	Malu (ma-loo)
28	Manini (ma-nee-nee)
29	Marlin
30	Menpachi
31	Moana (mo-ah-na)
32	Moi
33	Moonfish
34	Mu (moo or mo-ee)
35	Nabeta (na-beh-ta)
36	Nehu (nay-hoo)
37	Oama (oh-ah-mah)
38	Oio (oh-ee-oh)
39	Omilu (oh-me-loo)
40	Onaga or naga (oh-na-gah or na-gah)
41	Ono ( oh-no)
42	Opah (oh-pah)
43	Opakapaka (oh-pa-ka-pa-ka or paka)
44	Opelu (oh-pell-oo)
45	Opihi (oh-pee-hee)
46	Palani (pah-lah-nee)
47	Papio (pa-pee-oh or pah-pee-oh)
48	Parrot fish
49	reef fish
50	Sailfish
51	Sea bass

52 Skipjack (skipjack tuna)  
 53 Spearfish (short nosed spearfish)  
 54 Striped marlin  
 55 Taapae (Ta-ah-pay or tah-ah-pay)  
 56 Tako (ta-co)  
 57 Tombo  
 58 Tunas  
 59 Uhu  
 60 Ulua (oo-loo-ah)  
 61 Wahoo (wah-who)  
 62 Weke (ve-kee)  
 63 Yellowfin (yellowfin tuna)  
 64 No particular target  
 65 Other [record response]  
 77 Stop recording trip details {go to end triploop}  
 98 DK  
 99 R

QH What kind of fishing did you do on this trip? Was it trolling, hand-lining, bottom-fishing, casting with a rod and reel or pole and line, netting, scuba or spear-fishing or something else?

01 Trolling  
 02 Hand-lining  
 03 Bottom-fishing  
 04 Casting [Rod and reel or pole and line]  
 05 Netting  
 06 Spear-fishing [scuba or free-diving]  
 07 Other {record response}  
 77 Stop recording trip details {go to end triploop}  
 98 DK  
 99 R

QH {if gear\_1a=2}  
And what method of hand-lining was that? Tuna hand-lining, deep water bottom-fishing, or shallow water bottom-fishing or something else?

1 Tuna hand-lining [includes palu ahi or ika shibi]  
 2 Deep water bottom-fishing  
 3 Shallow water bottom-fishing  
 4 Other {record response}  
 7 Stop recording trip details {go to end triploop}  
 8 DK  
 9 R

{if gear\_1a=3}

And what method of bottom-fishing was that? Deep water bottom-fishing, shallow water bottom-fishing, both deep and shallow or something else?

- 1 Deep water bottom-fishing
- 2 Shallow water bottom-fishing
- 3 Both deep and shallow
- 4 Other {record response}
- 7 Stop recording trip details {go to end triploop}
- 8 DK
- 9 R

QH Did you sell any of your catch on this particular trip?

- 1 Yes
- 2 No
- 7 stop recording trip details {goto end triploop}
- 8 DK
- 9 R

----- End of Trip Questions - Hawaii only -----

----- End of individual trip details -----

----- End of trip loop questionnaire -----

-----End of trip profiling questionnaire -----

END TRIPLOOP: This point may be reached by 1) refusals during the screening process, 2) refusals or attempted terminations during the trip profiling, or 3) at the end of a successful interview.

For 1) interviewers should attempt to interview someone else in the household, or schedule a callback.

For 2) Interviewers should indicate ...

- 1 the respondent does not remember any more details about ANY trips; or
- 2 the respondent refuses to continue; or
- 3 proxy respondent does not know trip details;
- 4 all of the remaining trips were like the one we just talked about.
- 5 respondent needs to change number of trips.

The interviewer should ask: For the remaining {restore number of remaining trips not discussed} days, could you at least please tell me how many times and in what state and county or US territorial island you fished from a party/charter boat, a private/rental boat, and the shore?

For unfinished interviews, unfinished proxy interviews, and hard refusals at this point, the

interviewer should attempt to schedule a call-back.

For response 4, the total number of trips remains the same and a variable noting all trips the same is recorded.

For response 5, make the necessary adjustments to the interview and complete the interview.

For 3) Okay. That concludes the questions that I have about your fishing. Thank you very much for your time and assistance.

[COMPARE LIST OF COMPLETED NAMES WITH FISHERMEN NAMES AND ASK FOR THE PEOPLE WHO HAVE NOT YET BEEN COMPLETED.]

If there are additional anglers in the household who still need to be interviewed, ask:  
“Now, may I please speak to: ”

[If respondent indicates that one or more of the people list are children, ask current respondent to continue with you answering the questions based on the child’s fishing activities]

Continue with individual interview.

2. ASSIGNMENT NO.

3. INTERVIEWER ID

4. YR/MO/DAY 

2

0

0

2

5. INTERCEPT NO.

Please indicate if this is your first or second assignment today, by writing "1" or "2."

6. INTERVIEW TIME (use 2400 clock)

7. STATE CODE

8. COUNTY CODE

9. SITE CODE

10. INTERVIEW STATUS (Key Item = \*)

1

 Questionnaire Complete

2

 Refused Non-Key Item

5

 Refused Key Item

+

READ PRIVACY ACT. Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100.

\*11. Would you say you were fishing from ...

SH

1

Pier, Dock

2

Jetty, Breakwater, Breachway

3

Bridge, Causeway

4

Other Man-made Structure (Specify) \_\_\_\_\_

5

Beach or Bank

PC

6

Headboat

7

Charterboat

PR

8

Private or Rental Boat

\*12. Was most of your (specify mode) fishing effort today in the ...

1

Ocean/gulf/open bay

2

A sound (Other than those specified)

3

River (Other than those specified)

4

Bay (Other than those specified)

5

Other (Specify) \_\_\_\_\_

A

Narragansett Estuary

B

Buzzards Bay Estuary

C

Long Island Estuary

D

Hudson/Raritan Estuary

E

Delaware Estuary

F

Chesapeake Estuary

G

Abemarle/Pamlico Estuary

Code q. 13 as "8."

BOX A. Refer to q. 11. If response is SH mode code q. 13 as "1," 3 miles or less.

\*13. Was that

1

Three Miles or Less from Shore

2

More than Three Miles

8

Does not apply.

14. What type of gear was primarily used?

01

Hook and Line

02

Dip Net, A-frame

03

Cast Net

04

Gill Net

05

Seine

06

Trawl

07

Trap

08

Spear

09

Hand

10

Other (Specify) \_\_\_\_\_

98

Unknown

99

Refused

15. To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?

•

BOX B. Refer to q. 11

Beach/Bank, Using incomplete trip method go to q. 16.

Other – Skip to q. 17.

16. How many additional hours do you expect to fish from shore today? That is, how many more will you actually have your gear in the water?

•

Additional BB Hours

17. Were you fishing for any particular kinds of fish today? If Yes, what kinds?

No Particular Species/Anything

1st Target \_\_\_\_\_

2nd Target \_\_\_\_\_

18. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone saltwater sport finfishing in this state or from a boat launched in this state?

No. of Days

998

Don't Know

999

Refused

19. Not counting today, within the past 2 months, how many days?

No. of Days

998

Don't Know

999

Refused

\*20. What is your state and county of residence? If county unknown ask: What city or town do you live in?

State Code; Name \_\_\_\_\_

County Code; Name \_\_\_\_\_

21. What is the zip code of your residence?

Zip Code

99997

Foreign Country

99998

Don't Know

99999

Refused

22. Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home or rooming house?

1

Private Residence

2

Institutional Housing – Skip to q. 24

8

Don't Know

9

Refused

23. Does your home have a telephone?

1

Yes

2

No

8

Don't Know

9

Refused

+

24. In the event that my supervisor wishes to verify that I have been conducting interviews here today, may I have your name and a phone number?

ANGLER'S NAME

Name and phone number not given

D or N  
PHONE #

()  -

**\*25 UNAVAILABLE CATCH.** Did you land any fish that are not here for me to look at? For example, any that you may have thrown back or used for bait? IF YES, COMPLETE TYPE 2 RECORD FOR THIS INDIVIDUAL ANGLER, **NOT GROUP CATCH.** NOTE: FILLETS ARE UNAVAILABLE CATCH.

DISPOSITION CODES FOR Q25

- 1 Thrown back alive/legal

2 Thrown back alive/not legal/legality refused

3 Eaten/plan to eat

4 Used for bait/plan to use for bait

5 Sold/plan to sell

6 Thrown back dead/plan to throw away

7 Some other purpose

TYPE 2 RECORDS: (INDIVIDUAL CATCH UNAVAILABLE IN WHOLE FORM)

	SPECIES CODE	# OF FISH	DISP
1. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
2. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
3. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
4. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
5. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
6. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
7. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>

**\*26. Did you catch any fish while you were fishing that I might be able to look at?**

1

Yes

2

No – Code q. 27, 28, 29 as “8’s,” Not Applicable

3

Yes, **BUT** fish on another angler’s form –  
Fill in interview # where fish are listed

\*

– Code q. 27, 28, 29 as “8’s,” Not Applicable

**\*27. Did you catch these yourself or did someone else catch some of them?**

1

All Caught by Angler – Code q. 28, 29 as “8’s,” Not Applicable

2

Other Contributors

8

Not Applicable

**\*28. Can you separate out your individual catch?**

1

Yes – Code 29 as “88.”

2

No

8

Not Applicable

**\*29. How many anglers including yourself have their catch here? Please do not include anyone who did not catch fish. Only count those who have their catch here.**

No. of Contributors

88

Not Applicable

**BOX C. If q. 11 is SH mode, code q. 30 as “88,” and Code Box D as “8.”**

**\*30. How many people fished on your boat today?**

No. of People

88

Shore Mode

**\*Box D. If response to q. 30 is 1, code as “8,” Not Applicable. Otherwise, is this the first angler from this boat that I have interviewed?**

1

Yes

8

Not Applicable

2

No – Record interview # of 1<sup>st</sup> angler in the fishing party. \*

**\*31. AVAILABLE CATCH.** COMPLETE TYPE 3 RECORD BY ASKING: May I look at your fish? What do you plan to do with the MAJORITY of the (species)?

DISPOSITION CODES FOR Q 31

- 3 Eaten/plan to eat

4 Used for bait/plan to use for bait

5 Sold/plan to sell

6 Thrown back dead/plan to thrown away

7 Some other purpose

8 Don’t know/Didn’t ask

9 Refused

TYPE 3 RECORDS: (INDIVIDUAL CATCH AVAILABLE IN WHOLE FORM)

	SPECIES CODE	# OF FISH	LENGTH (mm)	WEIGHT (kg)	DISP
1. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
2. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
3. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
4. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
5. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
6. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
7. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
8. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
9. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
10. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
11. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
12. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
13. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
14. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
15. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>

**ATTACHMENT 7b: 2002 MRFSS INTERCEPT SURVEY - Louisiana-Florida (Shore and Private/Rental Boat)**

2. ASSIGNMENT NO. <span style="border: 1px solid black; padding: 2px 10px;">1</span> Cross the '1' out & write in a '2' if this is your second assignment today	6. INTERVIEW TIME (use 2400 clock) <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> Time the interview was completed
3. INTERVIEWER ID. <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>	7. STATE CODE <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>
4. YR/MO/DAY <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>	8. COUNTY CODE <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>
5. INTERCEPT NO. <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>	9. SITE CODE <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>
10. INTERVIEW STATUS (Key Item = *) <div style="display: flex; justify-content: flex-end; margin-top: 10px;"> <div style="margin-right: 20px;">1 <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> Questionnaire Complete</div> <div style="margin-right: 20px;">2 <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> Refused Non-Key Item</div> <div>5 <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span> Refused Key Item</div> </div>	

**READ PRIVACY ACT.** Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100.

**11. Would you say you were fishing from.....**

SH	1	<input type="checkbox"/>	Pier, Dock
	2	<input type="checkbox"/>	Jetty, Breakwater, Breachway
	3	<input type="checkbox"/>	Bridge, Causeway
	4	<input type="checkbox"/>	Other Man-made Structure (Specify) _____
	5	<input type="checkbox"/>	Beach or Bank
PC	6	<input type="checkbox"/>	Headboat
	7	<input type="checkbox"/>	Charterboat
PR	8	<input type="checkbox"/>	Private or Rental Boat

**\*12. Was most of your (specify mode) fishing effort today in the.....**

1	<input type="checkbox"/>	Ocean/gulf/open bay	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <b>Code q. 13 = '8'</b> </div>
2	<input type="checkbox"/>	A sound (Other than those specified)	
3	<input type="checkbox"/>	River (Other than those specified)	
4	<input type="checkbox"/>	Bay (Other than those specified)	
5	<input type="checkbox"/>	Other (Specify) _____	
G	<input type="checkbox"/>	Abermarle/Pamlico	
H	<input type="checkbox"/>	Biscayne Estuary	
I	<input type="checkbox"/>	Whitewater Estuary	
J	<input type="checkbox"/>	Sarasota Estuary	
K	<input type="checkbox"/>	Tampa Estuary	
L	<input type="checkbox"/>	Mobile Estuary	
M	<input type="checkbox"/>	Atchafalaya Estuary	

**BOX A. Refer to q. 11. If response is SH mode code q. 13 as "1", 3 miles or less.**

**\*13. Was that**

1	<input type="checkbox"/>	Three Miles or Less from Shore	8	<input type="checkbox"/>	Not applicable
2	<input type="checkbox"/>	More than Three Miles			

**14. What type of gear was primarily used?**

01	<input type="checkbox"/>	Hook and Line	07	<input type="checkbox"/>	Trap
02	<input type="checkbox"/>	Dip Net, A-frame	08	<input type="checkbox"/>	Spear
03	<input type="checkbox"/>	Cast Net	09	<input type="checkbox"/>	Hand
04	<input type="checkbox"/>	Gill Net	10	<input type="checkbox"/>	Other (Specify) _____
05	<input type="checkbox"/>	Seine	98	<input type="checkbox"/>	Unknown
06	<input type="checkbox"/>	Trawl	99	<input type="checkbox"/>	Refused

**15. To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?**

<input type="text"/>	<input type="text"/>	.	<input type="text"/>	No. of hours
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**BOX B. Refer to q. 11.**  
☐ Beach/Bank, Using incomplete trip method go to q. 16.  
☐ Other - Skip to q. 17.

**16. How many additional hours do you expect to fish from shore today? That is, how many more hours will you actually have your gear in the water?**

<input type="text"/>	<input type="text"/>	.	<input type="text"/>	Additional BB Hours
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**17. Were you fishing for any particular kinds of fish today? If Yes, what kinds?**

<input type="checkbox"/>	No. Particular Species/Anything
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1<sup>st</sup> Target \_\_\_\_\_



2<sup>nd</sup> Target \_\_\_\_\_



**18. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone saltwater sport finfishing in this state or from a boat launched in this state?**

<input type="text"/>	<input type="text"/>	<input type="text"/>	No. of Days
998	<input type="checkbox"/>	Don't know	
999	<input type="checkbox"/>	Refused	

**19. Not counting today, within the past 2 months, how many days?**

<input type="text"/>	<input type="text"/>	No. of Days
98	<input type="checkbox"/>	Don't Know
99	<input type="checkbox"/>	Refused

**\*20. What is your state and county of residence? If county unknown ask: What city or town do you live in?**

<input type="text"/>	<input type="text"/>	State Code; Name _____
<input type="text"/>	<input type="text"/>	County Code; Name _____

**21. What is the zip code of your residence?**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Zip Code
99997	<input type="checkbox"/>	Foreign Country			
99998	<input type="checkbox"/>	Don't Know			
99999	<input type="checkbox"/>	Refused			

**22. Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home or rooming house?**

1	<input type="checkbox"/>	Private Residence
2	<input type="checkbox"/>	Institutional Housing - Skip to q. 25
8	<input type="checkbox"/>	Don't know
9	<input type="checkbox"/>	Refused

**23. Does your home have a telephone?**

1	<input type="checkbox"/>	Yes	8	<input type="checkbox"/>	Don't know
2	<input type="checkbox"/>	No	9	<input type="checkbox"/>	Refused



**ATTACHMENT 7b: 2002 MRFSS INTERCEPT SURVEY - Louisiana-Florida (PC - Only)**

2. ASSIGNMENT NO. <span style="border: 1px solid black; padding: 2px 10px;">1</span> Cross the '1' out & write in a '2' if this is your second assignment today	6. INTERVIEW TIME (use 2400 clock) <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> Time the interview was completed
3. INTERVIEWER ID. <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>	7. STATE CODE <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>
4. YR/MO/DAY <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>	8. COUNTY CODE <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>
5. INTERCEPT NO. <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>	9. SITE CODE <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>
10. INTERVIEW STATUS (Key Item = *) <div style="display: flex; justify-content: flex-end; align-items: flex-start; margin-top: 10px;"> <div style="text-align: right; margin-right: 10px;">           1 2 5         </div> <div style="margin-right: 10px;"> <div style="border: 1px solid black; width: 40px; height: 20px;"></div>  <div style="border: 1px solid black; width: 40px; height: 20px;"></div>  <div style="border: 1px solid black; width: 40px; height: 20px;"></div> </div> <div>           Questionnaire Complete            Refused Non-Key Item            Refused Key Item         </div> </div>	

**READ PRIVACY ACT.** Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100.

**\*11. Would you say you were fishing from.....**

SH	1	<input type="checkbox"/>	Pier, Dock
	2	<input type="checkbox"/>	Jetty, Breakwater, Breachway
	3	<input type="checkbox"/>	Bridge, Causeway
	4	<input type="checkbox"/>	Other Man-made Structure (Specify) _____
	5	<input type="checkbox"/>	Beach or Bank
PC	6	<input type="checkbox"/>	Headboat
	7	<input type="checkbox"/>	Charterboat
PR	8	<input type="checkbox"/>	Private or Rental Boat

**\*12. Was most of your (specify mode) fishing effort today in the.....**

1	<input type="checkbox"/>	Ocean/gulf/open bay
2	<input type="checkbox"/>	A sound (Other than those specified)
3	<input type="checkbox"/>	River (Other than those specified)
4	<input type="checkbox"/>	Bay (Other than those specified)
5	<input type="checkbox"/>	Other (Specify) _____
G	<input type="checkbox"/>	Abermarle/Pamlico
H	<input type="checkbox"/>	Biscayne Estuary
I	<input type="checkbox"/>	Whitewater Estuary
J	<input type="checkbox"/>	Sarasota Estuary
K	<input type="checkbox"/>	Tampa Estuary
L	<input type="checkbox"/>	Mobile Estuary
M	<input type="checkbox"/>	Atchafalaya Estuary

Code q.13= '8'

BOX A. Refer to q. 11. If response is SH mode code q. 13 as "1", 3 miles or less.

**\*13. Was that**

1	<input type="checkbox"/>	Three Miles or Less from Shore	8	<input type="checkbox"/>	Not applicable
2	<input type="checkbox"/>	More than Three Miles			

**14. What type of gear was primarily used?**

01	<input type="checkbox"/>	Hook and Line	07	<input type="checkbox"/>	Trap
02	<input type="checkbox"/>	Dip Net, A-frame	08	<input type="checkbox"/>	Spear
03	<input type="checkbox"/>	Cast Net	09	<input type="checkbox"/>	Hand
04	<input type="checkbox"/>	Gill Net	10	<input type="checkbox"/>	Other (Specify) _____
05	<input type="checkbox"/>	Seine	98	<input type="checkbox"/>	Unknown
06	<input type="checkbox"/>	Trawl	99	<input type="checkbox"/>	Refused

**16. How many additional hours do you expect to fish from shore today? That is, how many more hours will you actually have your gear in the water?**

<input type="text"/>	<input type="text"/>	.	<input type="text"/>	Additional BB Hours
----------------------	----------------------	---	----------------------	---------------------

**17. Were you fishing for any particular kinds of fish today? If Yes, what kinds?**

<input type="checkbox"/>	No. Particular Species/Anything
--------------------------	---------------------------------

1<sup>st</sup> Target \_\_\_\_\_

--	--	--	--	--	--	--	--	--	--

2<sup>nd</sup> Target \_\_\_\_\_

--	--	--	--	--	--	--	--	--	--

**18. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone saltwater sport finfishing in this state or from a boat launched in this state?**

<input type="text"/>	<input type="text"/>	<input type="text"/>	No. of Days
998	<input type="checkbox"/>		Don't know
999	<input type="checkbox"/>		Refused

**19. Not counting today, within the past 2 months, how many days?**

<input type="text"/>	<input type="text"/>	No. of Days
98	<input type="checkbox"/>	Don't Know
99	<input type="checkbox"/>	Refused

**\*20. What is your state and county of residence? If county unknown ask: What city or town do you live in?**

<input type="text"/>	<input type="text"/>	State Code; Name _____
<input type="text"/>	<input type="text"/>	County Code; Name _____

**21. What is the zip code of your residence?**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Zip Code
99997	<input type="checkbox"/>				Foreign Country
99998	<input type="checkbox"/>				Don't Know
99999	<input type="checkbox"/>				Refused

15. To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?

.  No. of hours

**BOX B. Refer to q. 11.**

☐ Beach/Bank, Using incomplete trip method go to q. 16.

☐ Other - Skip to q. 17.

22. Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home or rooming house?

1 ☐ Private Residence

2 ☐ Institutional Housing - *Skip to q. 25*

8 ☐ Don't know

9 ☐ Refused

23. Does your home have a telephone?

1 ☐ Yes

2 ☐ No

8 ☐ Don't know

9 ☐ Refused

24. In the event that my supervisor wishes to verify that I have been conducting interviews here today, may I have your name and a phone number?

ANGLER’S NAME

Name and Phone Number Not Given

D or N

PHONE #      (        )    -        -   

**\*25. UNAVAILABLE CATCH.** Did you land any fish that are not here for me to look at? For example, any that you may have thrown back or used for bait? IF YES, COMPLETE TYPE 2 RECORD FOR THIS INDIVIDUAL ANGLER, **NOT GROUP CATCH**. NOTE: FILLETS ARE UNAVAILABLE.

DISPOSITION CODES FOR Q. 25

- 1 Thrown back alive/legal

2 Thrown back alive/not legal/legality refused

3 Eaten/plan to eat

4 Used for bait/plan to use for bait

5 Sold/plan to sell

6 Thrown back dead/plan to throw away

7 Some other purpose

TYPE 2 RECORDS: (INDIVIDUAL CATCH UNAVAILABLE IN WHOLE FORM)

	SPECIES CODE	# OF FISH	DISP.
1. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
2. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
3. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
4. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>
5. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>

**\*26. Did you catch any fish while you were fishing that I might be able to look at?**

- 1  Yes

2  No - Code q. 27, 28, 29 as "8's," Not Applicable

3  Yes, **BUT** fish are on another angler’s form -  
Fill in interview # where fish are listed \*  
 - Code q. 27, 28, 29 as "8's," Not Applicable

**\*29. How many anglers including yourself have their catch here? Please do not include anyone who did not catch fish. Only count those anglers who have their catch here.**

No. of Contributors      88  Not applicable

**\*30. How many people fished on your boat today?**

No. of People  
88  Shore Mode

**\*27. Did you catch these yourself or did someone else catch some of them?**

- 1  All caught by Angler - Code q. 28, 29 as "8's," Not Applicable

2  Other Contributors      8  Not applicable

**\*28. Can you separate out your individual catch?**

- 1  Yes - Code q. 29 as "88"

2  No      8  Not applicable

**\*BOX D. If response to q. 30 is 1 angler or "88" Shore Mode, check not applicable and skip q. 31. Otherwise, is this the first angler from this boat that I have interviewed?**

- 1  Yes      8  Not applicable

2  No - Record interview # of 1<sup>st</sup> angler in the fishing party \*

**\*31. AVAILABLE CATCH. COMPLETE TYPE 3 RECORD BY ASKING: May I look at your fish? What do you plan to do with the MAJORITY of the (species)?**

DISPOSITION CODES FOR Q 31

- 3 Eaten/plan to eat

4 Used for bait/plan to use for bait

5 Sold/plan to sell

6 Thrown back dead/plan to throw away

7 Some other purpose

8 Don’t know/Didn’t ask

9 Refused

	SPECIES CODE	# OF FISH	LENGTH (mm)	WEIGHT (kg)	DISP
1. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
2. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
3. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
4. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
5. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
6. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
7. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
8. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
9. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
10. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
11. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
12. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
13. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
14. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
15. _____	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>

**\*32. Is vessel on Charter Boat Survey List?**

- 1  Yes      Vessel name \_\_\_\_\_

2  No

2. ASSIGNMENT NO.

Please indicate if this is your first or second assignment today, by writing "1" or "2."

3. INTERVIEWER ID

4. YR/MO/DAY

2

0

0

2

5. INTERCEPT NO.

6. INTERVIEW TIME (use 2400 clock)

Time this interview was completed

7. STATE CODE

4

5

8. COUNTY CODE

9. SITE CODE

10. INTERVIEW STATUS (Key Item = \*)

1

Questionnaire Complete

2

Refused Non-Key Item

5

Refused Key Item

**READ PRIVACY ACT.** Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacv Act of 1974 and NOAA Administrative Order 216-100.

\*11. Would you say you were fishing from ...

SH

0

Pier

1

Dock

2

Jetty, Breakwater, Breachway

3

Bridge, Causeway

4

Other Man-made Structure (Specify) \_\_\_\_\_

5

Beach or Bank

PC

6

Headboat

7

Charterboat

PR

8

Private Boat

9

Rental Boat

\*12. Was most of your (specify mode) fishing effort today in the ...

1

Ocean/gulf/open bay

2

Sound (Other than those specified)

3

River (Other than those specified)

4

Bay (Other than those specified)

5

Other (Specify) \_\_\_\_\_

G

Albemarle/Pamlico Estuary

H

Biscayne Estuary

I

Whitewater Estuary

J

Sarasota Estuary

K

Tampa Estuary

L

Mobile Estuary

M

Atchafalaya Estuary

Code Q13 as "8."

**BOX A.** If response to Q11 is SH mode AND response to Q12 is "ocean/gulf/open bay" code Q13 as "1," 3 miles or less. (If response to Q 12 is "2" through "M," code Q13 as "Not Applicable")

\*13. Was that

1

Three Miles or Less from Shore

8

Does not apply.

2

More than Three Miles

14. What type of gear was primarily used?

01

Hook and Line

07

Trap

02

Dip Net, A-frame

08

Spear

03

Cast Net

09

Hand

04

Gill Net

10

Other (Specify) \_\_\_\_\_

05

Seine

98

Unknown

06

Trawl

99

Refused

15a. To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?

.

Code as "99.9" if DK or Refused

15b. [PC and PR only] To the nearest half-hour, how many hours have you spent on the boat, away from the dock, today?

.

Code as "99.9" if DK or Refused

Not Applicable – SH mode

16. (Ask if Beach or Bank) How many additional hours do you expect to fish from shore today? That is, how many more will you actually have your gear in the water?

.

Additional BB Hours

Not fishing from beach or bank

17. Were you fishing for any particular kinds of fish today? If Yes, what kinds?

No Particular Species/Anything

1st Target \_\_\_\_\_

2nd Target \_\_\_\_\_

18. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone saltwater sport finfishing in this state or from a boat launched in this state?

No. of Days

998  Don't Know

999  Refused

19. Not counting today, within the past 2 months, how many days?

No. of Days

998  Don't Know

999  Refused

\*20. What is your state and county of residence? If county unknown ask: What city or town do you live in?

State Code; Name \_\_\_\_\_

County Code; Name \_\_\_\_\_

21. What is the zip code of your residence?

Zip Code

99997  Foreign Country

99998  Don't Know

99999  Refused

22. Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home or rooming house?

1  Private Residence

2  Institutional Housing – Code Q23 as "8".

8  Don't Know

9  Refused

23. Does your home have a telephone?

1  Yes

2  No

8  Don't Know/Not Applicable

9  Refused

--	--	--	--


--	--	--

[illegible]

2. ASSIGNMENT NO.

Please indicate if this is your first or second assignment today, by writing "1" or "2."

6. INTERVIEW TIME (use 2400 clock)

Time this interview was completed

3. INTERVIEWER ID

7. STATE CODE

7

2

4. YR/MO/DAY

2

0

0

2

8. COUNTY CODE

9. SITE CODE

5. INTERCEPT NO.

10. INTERVIEW STATUS (Key Item = \*)

1

Questionnaire Complete

2

Refused Non-Key Item

5

Refused Key Item

**READ PRIVACY ACT.** Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100.

\*11. Would you say you were fishing from ...

SH

0

Pier

1

Dock

2

Jetty, Breakwater, Breachway

3

Bridge, Causeway

4

Other Man-made Structure (Specify) \_\_\_\_\_

5

Beach or Bank

PC

6

Headboat

7

Charterboat

PR

8

Private Boat

9

Rental Boat

\*12. Was most of your (specify mode) fishing effort today in the ...

1

Ocean/gulf/open bay

2

Sound (Other than those specified)

3

River (Other than those specified)

4

Bay (Other than those specified)

5

Other (Specify) \_\_\_\_\_

N

Boqueron Estuary

O

Guanica Estuary

P

Guayanilla Estuary

Q

Humacao Estuary

R

Jobos Estuary

S

San Juan Estuary

T

Tortuguero Estuary

Code Q13 as "8."

**BOX A.** If response to Q11 is SH mode AND response to Q12 is "ocean/gulf/open bay" code Q13 as "1," 10.3 miles or less. (If response to Q 12 is "2" through "T," code Q13 as "Not Applicable".)

\*13. Was that

3

10 Miles or Less from Shore

8

Does not apply.

4

More than 10 Miles

14. What type of gear was primarily used?

01

Hook and Line

07

Trap

02

Dip Net, A-frame

08

Spear

03

Cast Net

09

Hand

04

Gill Net

10

Other (Specify) \_\_\_\_\_

05

Seine

11

YoYo

06

Trawl

98

Unknown

99

Refused

15a. To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?

.

Code as "99.9" if DK or Refused

15b. [PC and PR only] To the nearest half-hour, how many hours have you spent on the boat, away from the dock, today?

.

Code as "99.9" if DK or Refused

Not Applicable – SH mode

16. (Ask if Beach or Bank) How many additional hours do you expect to fish from shore today? That is, how many more will you actually have your gear in the water?

.

Additional BB Hours

Not fishing from beach or bank

17. Were you fishing for any particular kinds of fish today? If Yes, what kinds?

No Particular Species/Anything

1st Target \_\_\_\_\_

2nd Target \_\_\_\_\_

18. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone saltwater sport finfishing in this state or from a boat launched in this state?

No. of Days

998  Don't Know

999  Refused

19. Not counting today, within the past 2 months, how many days?

No. of Days

998  Don't Know

999  Refused

\*20. What is your state and county of residence? If county unknown ask: What city or town do you live in?

State Code; Name \_\_\_\_\_

County Code; Name \_\_\_\_\_

21. What is the zip code of your residence?

Zip Code

99997  Foreign Country

99998  Don't Know

99999  Refused

22. Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home or rooming house?

1  Private Residence

2  Institutional Housing – Code Q23 as "8".

8  Don't Know

9  Refused

23. Does your home have a telephone?

1  Yes

2  No

8  Don't Know/Not Applicable

9  Refused



## 2002 MRFSS Intercept Survey Questionnaire - Pacific Coast

SCREENING INSTRUCTIONS: Hello, my name is \_\_\_\_\_ and I represent (PSMFC / State Agency). We are interviewing marine recreational anglers for a study sponsored by the National Marine Fisheries Service.

Screening question: **Have you completed a saltwater sport fin-fishing trip today?** (if BB then determine if 50% or more complete)

Yes -> GO TO QUESTIONNAIRE

No: Not eligible for interview.

**PRIVACY ACT STATEMENT: Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100.**

### INTERCEPT QUESTIONNAIRE:

\*1.-8. Self-explanatory - See intercept coding form

\* 9. **Would you say you were fishing from** (Specify appropriate mode combination)?:

MM \_\_\_\_\_ PD- Pier, dock: \_\_\_\_\_ 1 PC \_\_\_\_\_ PB- Partyboat: \_\_\_\_\_ 6  
JB- Jetty, breakwater, breachway: \_\_\_\_\_ 2 CB- Charter boat: \_\_\_\_\_ 7  
BC- Bridge, causeway: \_\_\_\_\_ 3 PR \_\_\_\_\_ Private or rental boat: \_\_\_\_\_ 8  
OS- Other man-made structure (specify): \_\_\_\_\_ 4 BB \_\_\_\_\_ Beach or bank: \_\_\_\_\_ 5

\* 10. Interview status: Questionnaire complete: \_\_\_\_\_ 1 Language barrier, etc.: \_\_\_\_\_ 4  
Refused non-key items: \_\_\_\_\_ 2 Refused key item: \_\_\_\_\_ 5  
Initial refusal: \_\_\_\_\_ 3 (\* Indicates key items)

\* 11. **Was most of your fishing effort today in the ocean, sound, river or bay?**

If sound, river or bay, ask: What (sound/river/bay) was that? Probe to determine correct area.

Open water (ocean, gulf or open bay): \_\_\_\_\_ O San Francisco Bay: \_\_\_\_\_ S  
River: \_\_\_\_\_ R Puget Sound \_\_\_\_\_ P  
Bay / Harbor (other than S.F. Bay): \_\_\_\_\_ B Mexico \_\_\_\_\_ M

\* 12. If PC or PR in Open water, ask: **Was that three miles or less from shore, or more than three miles?**

Three miles or less: \_\_\_\_\_ 1 Shore or inland modes: — 8  
More than three miles: \_\_\_\_\_ 2

13. Washington Catch Record area: Code Catch Record Area \_\_\_\_\_ 01-13 [CA & OR Code "88"]  
13b. California River: Code River \_\_\_\_\_ 01-10 [WA & OR Code "88"]

14. **Were you fishing for any particular kinds of fish today?** If yes, ask **"What kinds?"**  
Last digit may be coded 0=anything, 1=bottomfish, 2=sharks, 3=surface fish and 4=tunas (not mackerel).

15. **Have you been fishing here today, "primarily" with a hook and line?** Yes: \_\_\_\_\_ 1

If no, ask **"What type of gear have you been using "primarily"?"**.

Dip net, A-frame net: \_\_\_\_\_ 2 Seine: \_\_\_\_\_ 5 Spear / spear gun: \_\_\_\_\_ 8  
Cast net: \_\_\_\_\_ 3 Trawl: \_\_\_\_\_ 6 Hand: \_\_\_\_\_ 9  
Gill net: \_\_\_\_\_ 4 Trap: \_\_\_\_\_ 7

16. **To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?**

17. Code 88.8. Exception: For incomplete trip (BB only), ask **"How many additional hours do you expect to beach/bank fish today? That is, how many more hours will you actually have your gear in the water today?"**.

18. **Not counting today, within the past 12 months, how many days have you gone 'salt water sport fin-fishing' in this state (or CA subregion), or from a boat launched in this state?**

Don't know: \_\_\_\_\_ 998 Refused to say: \_\_\_\_\_ 999

19. **Not counting today, how many days within the past two months** (Not more than in last 12 months)?

Don't know: \_\_\_\_\_ 98 Refused to say: \_\_\_\_\_ 99

#### Residence info

\* 20. **What is your state of residence?** Foreign country: - see list.  
(If foreign skip remaining residence info by coding questions 21, 22, 23, 24 and 25 as not applicable "8.8" . Go to question #26.)

\* 21. **What is your county of residence?**

Don't know: \_\_\_\_\_ 998 (If county unknown, ask **"What city or town do you live in?"**)  
Foreign country: \_\_\_\_\_ 888. Refused to say: \_\_\_\_\_ 999

22. **What is the ZIP Code of your residence?**

Don't know: \_\_\_\_\_ 8 (If zip unknown, ask **"What city or town do you live in?"**)  
Foreign country: \_\_\_\_\_ 8. Refused to say: \_\_\_\_\_ 9

23. **Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home, rooming house (or transient)?**

Private residence: \_\_\_\_\_ 1 Non-private housing: \_\_\_\_\_ 2  
(Code question 24 as "8". Go to question #25.)

24. **Does your home have a telephone?** Yes: \_\_\_\_\_ 1 No: \_\_\_\_\_ 2 Refused: \_\_\_\_\_ 9

\*26a. Unavailable catch (Type 2 on back):

**Did you catch any fish while you were <specify mode and area> fishing that are not here for me to look at?**

For example, any you may have thrown back or used for bait?

Yes: — 1 and complete Type 2 records on back by asking

**What type of fish did you catch? How many did you land? What did you do with them?"**

No: — 2

\*26b. Available catch (Type 3):

**Did you catch any fish while you were <specify mode and area> fishing today that I might be able to look at?**

No : ————— 0 (No type 3 records on this form)

No catch

Yes, all mine: ————— 1 (Must have at least one type 3 record.)

Single catch

Yes, separated from group catch: — 2 (Must have at least one type 3 record all self.)

Single catch

Yes, on another person's form: ————— 3 (No type 3 records on this form)

Group catch

Yes, group catch on this form: ————— 4 (Must have at least one type 3 record, group catch.)

Group catch

\*26b. KEY (Type 3): **Did you catch any fish while you were <specify mode and area> fishing today that I might be able to look at?**

No: ——— **0** (code #27 and #28 as "88" and go to #29)

Yes: ——— **Did you catch these yourself?** Use #26c to code fish.

All mine: ——— **1** (code "01" in #27, code #28 as "88" and go to #29)

Group catch: ——— **Can you separate your fish from the group catch?**

Separated from group: ——— **2** (code "01" in #27, code #28 as "88" and go to #29)

Can't separate fish: ——— *Where is the group catch?*

Group catch on OTHER FORM (catch follower): ——— **3** (code #27 as "88" and go to #28)

Group catch on THIS FORM (catch leader): ——— **4**

\*26c. Complete Type 3 records by asking

**May I look at your fish? What do you plan to do with the majority of the (species)?**

**Disposition Codes for questions 26a & 26c.**

Thrown back alive./Legal (type 2): ————— 1

Given away / Plan to give away: ————— 5

Thrown back alive./Not legal./ref. (type 2): ————— 2

Thrown back dead./Plan to throw away: ————— 6

Eaten./Plan to eat: ————— 3

Some other purpose (specify): ————— 7

Used for bait./Plan to use for bait: ————— 4

Don't know (type 3): ————— 8

Refused (type 3): ————— 9

\* 27. IF CATCH HERE (on this form): **How many anglers including yourself have their catch here?**

Please don't include anyone who did not catch anything. Only count those people who have their catch here.

\* 28. IF CATCH ON OTHER FORM : record the interview number of angler with this angler's catch. Question 26b = 3 ("on other form").

\* 29. Boat Modes Only: **How many people fished on your boat today?** Code "number" of anglers. If not Boat, code as "88". If only one, code Q.#30 as "88" and go to question 31.

\* 30. Boat Modes Only: Record the interview number of the first angler from the boat (If first then code as "88").

31. ELIGIBLE ANGLERS MISSED: Anglers not interviewed in target mode since last interview or arrival on site. Record the number of anglers that completed their trip in the target mode and left while you were interviewing someone else or were otherwise occupied. Include anglers who skipped due to high effort. and missed eligible anglers while at alternate sites. If none were missed, code 0 (zero).

**If mode is party/charter boat, record information specified in 32-35.**

32. Record the boat number for this vessel (UP TO EIGHT DIGITS LEFT JUSTIFIED).

Boat Number NNNNNNNN GO TO 33.

Don't Know 8 CODE 33 "8" AND GO TO 34

33. Record the "type" of boat number for this vessel.

Coast Guard 1 State VID 2

State Fish Permit 3 State Comm. Permit 4

Don't Know 8

34. Record boat record number. (A VALUE BETWEEN 1 AND 8 FOR THE NEXT RECORD ON THE WEEKLY BOAT RECORDS).

Boat Record # N Failed to record data 9

35. The name for this vessel. – WRITE CLEARLY THE NAME OF THIS VESSEL

**EXIT – Record the boat information on the weekly PC boat form before departing the site.**

Residence info

25. **In the event that my supervisor wishes to verify that I have been conducting interviews here today, may I have your name and "a" phone number?** (Print name clearly on line and tel. number in boxes.) Dialing Memo: *Record any information about calling time, language, etc*

Name and phone given: ——— Enter Tel #

No phone: ——— 8 (Enter on digit codes left justified in telephone # boxes)

## ATTACHMENT 8

### CHARTER AND HEAD BOAT FISHING QUESTIONNAIRE Draft Questionnaire for 2002

If no instructions are specified next to a response, continue to the next question.

----- Introduction -----  
--

Hello, my name is {interviewer's name}. I'm calling for a survey being conducted for the National Marine Fisheries Service of the United States Department of Commerce. Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100.

Q1 Am I speaking to {selected contact name}?

- 1 yes
- 2 no

Q1a [If Q1 = no, ask]

May I please speak to {{selected contact name}}?

- 1 yes {proceed to Q2}
- 2 no

Q1b [If Q1a = no, ask]

Is {selected contact name} still the correct vessel representative for the {boat name}?

- 1 yes {attempt to schedule a callback}
- 2 no

Q1b [If Q1a = no, ask]

Are you the correct vessel representative to provide details for the {boat name}?

- 1 yes {proceed to Q2}
- 2 no

Q1c [If Q1b = no, ask]

Do I need to contact someone else to obtain that information?

- 1 yes {try to obtain contact information or get lead}
- 2 no

Q1d [If Q1c = no, ask]

Is the {boat name} still being operated by someone else?

- 1 yes {try to obtain contact information or get lead}
- 2 no {probe for information on why and how long vessel will be inactive - go to QT16}

Q2 Are you still the captain, owner or designated representative of the {boat name}?

1 yes

2 no {go to Q1d}

Q3 Can you give me the details of the activity of {boat name} during the last week, including financial information including revenues and costs for these trips {Monday - date - through Sunday - date}?

1 yes

2 no {got to Q1c}

We're surveying owners and operators of charter and head boats to collect data needed to estimate total marine recreational fishing trips by individual anglers. The {boat name} has been selected at random from a directory of charter and head boats to be included in this week's survey of trips.

I would like to ask you a few questions about trips made last week by the {boat name}. This data will remain confidential. This survey is being conducted in accordance with the Privacy Act of 1974, therefore you are not obligated to answer any question if you find it to be an invasion of your privacy.

This call may be monitored or recorded for quality control. These quality control measures let us ensure your data are recorded accurately and helps us find ways to improve the survey.

Q4 During the last week {Monday, date, through Sunday, date} how many saltwater fishing trips targeting finfish did the {boat name} take with paying passengers?

0-21 record response

98 don't know {go to termination screen, code as resistant}

99 refused {go to termination screen, code as resistant}

Q5 How many of these trips consisted of more than 1 day of fishing?

0-1 record response

98 don't know {go to termination screen, code as resistant}

99 refused {go to termination screen, code as resistant}

#### -----Trip Profiling-----

After the total number of trips are determined the CATI program loops through each day of the week to see if a trip or trips were made. Interviewers must have a calendar available to help respondents with dates, particularly with weekend dates.

Let's begin with last Sunday {date} and we'll work our way back to Monday {date}. I have a calendar with me if necessary.

QT1 Did your trip take any saltwater fishing trips with paying passengers that ended on Sunday {date}?

- 1 yes
- 2 no
- 8 don't know
- 9 refused

QT2 How many saltwater fishing trips did {boat name} take with paying passengers that ended on Sunday {date}?

- 0-3 record response
- 8 don't know
- 9 refused

Now let's talk about the first trip the {boat name} took with paying passengers that ended on Sunday {date}.

QT3 Did passengers pay as a group to charter the boat or did passengers pay on a per-head basis for fishing space on the boat?

- 1 passengers chartered boat as a group (charter boat mode)
- 2 passengers paid on a per-head basis for fishing space (head boat mode)
- 8 don't know
- 9 refused

QT4 Excluding captain and crew, how many people went to fish on this trip?

- 1-150 record response
- 998 don't know
- 999 refused

QT5 "Did all of the {number for QT4} people fish on the trip?"

- 1 yes
- 2 no
- 8 don't know
- 9 refused

QT5a [If QT5 = no]

How many of those {QT4 people} did not fish on the trip?

- 1-150 record response
- 998 don't know
- 999 refused

QT6 Was this trip taken from a marina, dock or launch ramp in the {boat's home state}?

- 1 yes
- 2 no {probe for state}
- 8 don't know

9 refused

QT7 From what county was the trip taken?

QT8 Was this trip taken from a marina, dock or launch ramp to which the public normally has access?

1 yes

2 no

8 don't know

9 refused

QT9 What fishing method or methods (trolling, bottom-fishing, casting or drifting) were used on this trip?

1 trolling

2 bottom-fishing

3 casting

4 fly-fishing

5 other

6 drifting

8 don't know

9 refuse

QT10 What was the primary target species for that trip?

Record response {list will be provided}

97 anything/no particular  
species

04 albacore

05 aj/amberjack

06 barracuda (great)

07 BASS

08 BILLFISH

09 black drum

76 black grouper

10 BLACKFISH

11 blacktip shark

12 blue marlin

13 bluefish

14 BONITO

77 bream

15 CATFISH

16 cero (seer-o)

17 channel catfish

18 cobia

78 cod

19 crevalle jack

20 croaker (atlantic)

21 dolphin

22 DRUM

23 florida pompano

24 FLOUNDER

25 fluke

26 gafftopsail catfish

27 gag

28 gray snapper

29 greater amberjack

30 GROUPER

31 gulf flounder

32 gulf kingfish

33 hardhead catfish

34 irish pompano

35 JACK

36 king

37 king mackerel

38 KINGFISH

39 ling

40 little tunny

41 MACKEREL

42 mahi mahi

43 mako shark

44 MARLIN

45 MULLET

79 Nassau grouper

46 POMPANO

47 pompano dolphin

48 red drum

49 red grouper

50 redfish

51 red snapper

52 rockfish

53 sailfish (atlantic)

54 SEATROUT

55 SHARK

56 sharpnose shark

57 sheepshead

QT11 Was most of your fishing effort on that trip in the ocean, a river, a sound or a bay?

- 1 ocean
- 2 sound
- 3 river
- 4 bay
- 5 other

8 Don't Know

9 Refused

QT11a [If QT11 = river]

What river was that? Were you (was s/he) upstream or downstream of the cutoff point, which is {read cutoff}?

- 1 upstream {trip is freshwater and not eligible, go to next trip}
- 2 downstream
- 8 don't know
- 9 refused

QT11b [If QT11 = ocean]

Was most of your fishing effort less than or greater than 3 miles from shore?

- 1 ocean
- 2 sound
- 3 river
- 4 bay
- 5 other
- 8 Don't Know
- 9 Refused

QT12 At what time (to the nearest ½ hour) did your boat return from that trip?

- 0030-2400 record response in military time
- 9998 don't know
- 9999 refuse

QT13 To the nearest half-hour, how much time was spent actively fishing with gear in the water?

- 0.5 - 24.0 record response
- 99.8 don't know
- 99.9 refuse

QT14 Did this trip cover more than one day of fishing?

- 1 yes {ask: How many days of fishing occurred on this trip? Record number of fishing days. Split into individual day trips on consecutive days with equal fishing hours.}
- 2 no {record number of fishing days as 1 }

QT15 During the last week, did your boat make any additional trips? This would include any commercial or private fishing trips, as well as any non-fishing trips for fuel, bait or other activities?

- |   |     |                                  |
|---|-----|----------------------------------|
| 1 | yes | {ask number of trips and record} |
| 2 | no  |                                  |

QT15a [If QT15 = yes]

On what days did each of these additional boat trips occur?

- |   |            |
|---|------------|
| 1 | Sunday     |
| 2 | Monday     |
| 3 | Tuesday    |
| 4 | Wednesday  |
| 5 | Thursday   |
| 6 | Friday     |
| 7 | Saturday   |
| 8 | Don't Know |
| 9 | Refused    |

QT16 Did you receive notification from us that you would be contacted for this interview?

- |   |     |  |
|---|-----|--|
| 1 | yes |  |
| 2 | no  | {ask for correct mailing address and briefly explain that notification will be sent prior to any later contacts and continue.} |

QT17 In case the {boat name} is selected again for this survey, at what time of day would you prefer to be called?

0030-2400 {Record preferred time as military time}

I would like to thank you for participating in our survey and please have a nice day.

## ATTACHMENT 9A

### Example Instrument for Economic RDD Telephone Survey Add-On

#### Version A

IF CATEGORY 1 (NO ONE IN HOUSEHOLD) GO TO PART II.

IF CATEGORY 2 OR 3, START WITH PART 1.

#### PART 1. Angler Screening

IF CATEGORY 3 (FISHED IN LAST YEAR BUT NOT LAST 2 MONTHS) GO TO SCREENING QUESTION 2.

1. Are you (the angler/one of the anglers) who goes saltwater fishing but has not within the past 12 months?  
Yes Go to Part II.  
No May I speak with that angler/one of those anglers? If successful, go to INTRODUCTION FOR NEW RESPONDENT.
2. Are you (the angler/one of the anglers) who goes saltwater fishing but has not within the past 2 months?  
Yes Go to Part II.  
No May I speak with that angler/one of those anglers?

(IF DESIRED FISHERMAN IS NOT IMMEDIATELY AVAILABLE, THANK RESPONDENT AND TERMINATE)

#### (INTRODUCTION FOR NEW RESPONDENT)

Hello, I'm conducting a survey on saltwater sport anglers for the National Marine Fisheries Service. We are collecting socio-demographic information on saltwater sport anglers. Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100. I understand that you participate in saltwater fishing, but have not done so within the past (2 or 12) months.

Is this correct?

Yes Go to Part II.

No When was the last time you went saltwater sportfishing?

If within 2 months Go to **Version B** of the Economic Questionnaire.

If never thank and terminate.

#### PART II. Economic Questionnaire

(IF INTERVIEWER IS NOT CERTAIN RESPONDENT IS AT LEAST 16 YRS OF AGE, SIMPLY ASK RESPONDENT IF HE/SHE IS AT LEAST 16 YRS OF AGE. IF < 16 YRS OF AGE, THEN TERMINATE AND THANK RESPONDENT.)

1. How old were you on your last birthday? (IF RESPONDENT HESITATES, QUICKLY GO TO Q.1a.) ENTER NUMBER Go to Q.2.

Don't Know

888

Refused

999

Go to Q.1a.

- 1a. That is, in which of the following age groups do you belong:

16 to 25	1	26 to 35	2
36 to 45	3	46 to 55	4
56 to 65	5	66 and over	6
Don't Know	8	Refused	9

2. Code Gender: Male 1  
Female 2

IF UNCERTAIN, SIMPLY ASK WHAT IS YOUR GENDER?

3. Would you describe your ethnic background as:  
White 1 Black 2  
Hispanic 3 Asian 4  
Other(specify) 5 Don't Know 8  
Refused 9

4. What was the last grade of formal education which you have completed?

(IF RESPONDENT HESITATES, READ LISTED ALTERNATIVES)

Less than a high school degree 1  
High school graduate 2  
Vocational or community college 3  
Some college 4  
College graduate 5  
Post-graduate/professional degree 6  
Don't know 8  
Refused 9

\*

5 . Are you personally employed outside the home?

Yes 1  
No 2  
Don't Know 8  
Refused 9

\*

6 . Is your total annual household income before taxes over or under \$45,000.

And is it over or under \$60,000?

And is it over or under \$30,000?

IF OVER And is it over or under \$85,000?

IF UNDER And is it over or under \$15,000?

IF OVER And is it over or under \$110,000?

IF OVER And is it over or under \$135,000?

IF OVER And is it over or under \$160,000?

Less than \$15,000 1  
\$15,001 to 30,000 2  
\$30,001 to \$45,000 3  
\$45,001 to \$60,000 4  
\$60,001 to \$85,000 5  
\$85,001 to \$110,000 6  
\$110,001 to \$135,000 7  
\$135,001 to \$160,000 or more 10  
Don't Know 8  
Refused 9

## Version B

FOR CATEGORY 4 RESPONDENTS.

QUESTION 1 SHALL BE ASKED FOR EACH TRIP FOLLOWING THE TRIP MODE QUESTION ON MRFSS TELEPHONE FISHERMAN QUESTIONNAIRE.

\*

1 . Were you fishing for any particular kinds of fish on that trip?

Yes 1 What Kinds? 1st Target \_\_\_\_\_  
No 2 2nd Target \_\_\_\_\_

DO NOT PROMPT FOR A SECOND SPECIES IF ONLY ONE SPECIES IS MENTIONED. "ANYTHING" IS A VALID ANSWER.

QUESTIONS 2-10 WILL BE ASKED AT THE END OF THE ROUTINE MRFSS TELEPHONE TRIP QUESTIONS

(IF INTERVIEWER IS NOT CERTAIN RESPONDENT IS AT LEAST 16 YRS OF AGE, SIMPLY ASK RESPONDENT IF HE/SHE IS AT LEAST 16 YRS OF AGE. IF < 16 YRS OF AGE, THEN THANK RESPONDENT AND TERMINATE.)

2. How many saltwater fishing trips did you take within the past 12 months?

ENTER NUMBER	
Don't Know	8
Refused	9

3. On how many of those trips did you target either bluefish, striped bass, black sea bass, summer flounder, Atlantic cod, tautog or scup (substitute 'weakfish' for scup in the Middle Atlantic)?

ENTER NUMBER	
Don't Know	888
Refused	999

4. Do you or does anyone living in your household own a boat that is ever used for recreational fishing?

Yes	1
No	2
Don't Know	8
Refused	9

5. How old were you on your last birthday? (IF RESPONDENT HESITATES, QUICKLY GO TO Q.5A.)

ENTER NUMBER	Go to Q.6.
Don't Know	8
Refused	9
	Go to Q.5A.

5a. That is, in which of the following age groups do you belong?

16 to 25	1	26 to 35	2
36 to 45	3	46 to 55	4
56 to 65	5	66 and over	6
Don't Know	8	Refused	9

6. Code Gender: Male 1  
Female 2

IF UNCERTAIN, SIMPLY ASK WHAT IS YOUR GENDER?

7. Would you describe your ethnic background as:

White	1
Black	2
Hispanic	3
Asian	4
American Indian or Alaskan Native	5
Native Hawaiian	6
Other(specify)	7
Don't Know	8
Refused	9

8. What was the last grade of formal education which you have completed?

(IF RESPONDENT HESITATES, READ LISTED ALTERNATIVES)

Less than a high school degree	1
High school graduate	2
Vocational or community college	3
Some college	4
College graduate	5
Post-graduate/professional degree	6
Don't know	8
Refused	9

\*  
 9 . Are you personally employed outside the home?  
       Yes 1  
       No 2  
       Don't Know 8  
       Refused 9

\*  
 10 . Is your total annual household income before taxes over or under \$45,000?

	And is it over or under \$60,000?	And is it over or under \$30,000?
<b>IF OVER</b>	And is it over or under \$85,000?	
<b>IF UNDER</b>	And is it over or under \$15,000?	
<b>IF OVER</b>	And is it over or under \$110,000?	
<b>IF OVER</b>	And is it over or under \$135,000?	
<b>IF OVER</b>	And is it over or under \$160,000?	
	Less than \$15,000	1
	\$15,001 to 30,000	2
	\$30,001 to \$45,000	3
	\$45,001 to \$60,000	4
	\$60,001 to \$85,000	5
	\$85,001 to \$110,000	6
	\$110,001 to \$135,000	7
	\$135,001 to \$160,000 or more	10
	Don't Know	8
	Refused	9

2. ASSIGNMENT NO.	<input type="text"/>	<i>Please indicate if this is your first or second assignment today, by writing "1" or "2."</i>									
3. INTERVIEWER ID	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4. YR/MO/DAY	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. INTERCEPT NO.	<input type="text"/>	<input type="text"/>									
6. INTERVIEW TIME (use 2400 clock)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7. STATE CODE	<input type="text"/>	<input type="text"/>	8. COUNTY CODE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	9. SITE CODE	<input type="text"/>	<input type="text"/>	<input type="text"/>
10. INTERVIEW STATUS											
1	<input type="text"/>	Fully Complete	3	<input type="text"/>	Initial Refusal						
2	<input type="text"/>	Partially Complete	4	<input type="text"/>	Less than 16 Years						

In order to qualify for this survey, respondent must be at least 16 years of age. If you are unable to determine respondent's age, please ask: Are you at least 16 years of age? If respondent is not at least 16 years of age, code q. 10 as 4 and terminate interview.

- 1 ☐ Yes      8 ☐ Don't Know/Not applicable  
2 ☐ No      9 ☐ Refused

☐ Angler Released Number in q. 24 – Thank and Terminate

[illegible]

$$\begin{array}{|c|c|c|} \hline & & \\ \hline \end{array} \quad - \quad \begin{array}{|c|c|c|} \hline & & \\ \hline \end{array} \quad - \quad \begin{array}{|c|c|c|c|} \hline & & & \\ \hline \end{array}$$

## ATTACHMENT 9c

### ECONOMIC INTERCEPT FOLLOW-UP TELEPHONE SURVEY QUESTIONNAIRE

Hello, may I please speak with [NAME]? This is [INTERVIEWER], calling from [CONTRACTOR]. You spoke with one of our field staff members on [TRIPDATE] during a day of fishing in [STATE] at [SITENAME]. I am calling to ask a few follow-up questions that could not be collected in the field.

This study is being conducted in accordance with the privacy act of 1974. You are not required to answer any question that you consider to be an invasion of your privacy.

**Q1.** How many years have you been saltwater recreational fishing?

001 Record number of years

888 Don't know

999 Refused

**Q2.** If mode of intercepted trip was "charter boat" or "partyboat" GO TO Q10. Have you been saltwater fishing since [TRIPDATE], the day you were interviewed?

1 Yes

2 No **SKIPTO Q10.**

8 Don't know **SKIPTO Q10.**

9 Refused **SKIPTO Q10.**

**Q3.** Please think of your **most recent** day of saltwater fishing. Did you fish from a

1 Party/charter boat

2 Private boat

3 Rental boat

4 Shore (beach, bank, jetty, pier)

8 Don't know

9 Refused

**Q4.** Were you targeting or hoping to catch any particular species or kinds of fish?

**Accept up to two target species**

9997 Anything/no particular species

0001 Record species name and appropriate MRFSS code (*NMFS to provide species list with codes*)

9995 Other (specify)

9996 Other (specify)

9998 Don't know

9999 Refused

**Q5.** If mode (Q3) is not private or rental boat, ask: In what city and state did you fish?

If mode (Q3) is private or rental boat, ask: From which city and state did you launch your boat?

First, what was the state?

1 Record state name and appropriate FIPS code.

In what city?

1 Record city name

98 Don't Know

99 Refused

**Q6.** Was that day of fishing part of a longer trip in which you spent at least one night away from your residence?

- 1 Yes
- 2 No **SKIPTO Q10.**
- 8 Don't know **SKIPTO Q10.**
- 9 Refused **SKIPTO Q10.**

**Q7.** How many nights were you away from residence on that trip?

- 01 Record number of nights **If 0, SKIPTO Q10.**
- 98 Don't Know
- 99 Refused

**Q8.** How many days of the trip were spent fishing? I am asking about the number of days that were actually spent fishing on the most recent trip, and **not** the total number of days you were away.

- 01 Record number of days
- 98 Don't Know
- 99 Refused

**Q9.** Did you make the trip **primarily** to go fishing?

- 1 Yes
- 2 No
- 8 Don't know
- 9 Refused

**Q10.** Now I would like to ask you about expenses you made for consumable items during your most recent trip. I'm interested in expenditures for the whole trip, not just for the time spent fishing. How many people, including yourself, contributed to expenses for the trip?

- 01 Record number of people
- 98 Don't Know
- 99 Refused

About how much did you individually spend for the following items? **If Q10 > 1, then ask:** If you can't recall how much you spent individually for each question, please tell me how much was spent by the group of people who went on the trip with you.

**Q11.** How much was spent for food, drink and refreshments?

- 00 Zero/Nothing **SKIP TO Q12**
- 01 Record amount
- 98 Don't Know **SKIP TO Q12**
- 99 Refused **SKIP TO Q12**

**Q11A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

- 01 Individual
- 02 Group

**Q12.** How much was spent for lodging at motels, cabins, lodges or campgrounds?

- 00 Zero/Nothing **SKIP TO Q13**
- 01 Record amount
- 98 Don't Know **SKIP TO Q13**
- 99 Refused **SKIP TO Q13**

**Q12A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

01 Individual

02 Group

**Q13.** How much was spent for transportation other than your own car, such as plane, train, bus or car rental?

00 Zero/Nothing **SKIP TO Q14**

01 Record amount

98 Don't Know **SKIP TO Q14**

99 Refused **SKIP TO Q14**

**Q13A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

01 Individual

02 Group

**Q14.** How much was spent for boat fuel?

00 Zero/Nothing **SKIP TO Q15**

01 Record amount

98 Don't Know **SKIP TO Q15**

99 Refused **SKIP TO Q15**

**Q14A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

01 Individual

02 Group

**Q15.** How much was spent on guide or package fees for party or charter boats?

00 Zero/Nothing **SKIP TO Q16**

01 Record amount

98 Don't Know **SKIP TO Q16**

99 Refused **SKIP TO Q16**

**Q15A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

01 Individual

02 Group

**Q16.** How much was spent for access and/or boat launching fees for access to pier, park, launch?

00 Zero/Nothing **SKIP TO Q17**

01 Record amount

98 Don't Know **SKIP TO Q17**

99 Refused **SKIP TO Q17**

**Q16A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

01 Individual

02 Group

**Q17.** How much was spent on equipment rental for boat, fishing or camping equipment?

00 Zero/Nothing **SKIP TO Q18**

01 Record amount

98 Don't Know **SKIP TO Q18**

99 Refused **SKIP TO Q18**

**Q17A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

- 01 Individual
- 02 Group

**Q18.** How much was spent on live, cut or prepared bait?

- 00 Zero/Nothing **SKIP TO Q19**
- 01 Record amount
- 98 Don't Know **SKIP TO Q19**
- 99 Refused **SKIP TO Q19**

**Q18A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

- 01 Individual
- 02 Group

**Q19.** How much was spent on ice?

- 00 Zero/Nothing **SKIP TO Q20**
- 01 Record amount
- 98 Don't Know **SKIP TO Q20**
- 99 Refused **SKIP TO Q20**

**Q19A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

- 03 Individual
- 04 Group

**Q20.** How much was spent on cleaning fees? [These are fees paid at the dock for filleting and cleaning fish]

- 00 Zero/Nothing **SKIP TO Q21**
- 01 Record amount
- 98 Don't Know **SKIP TO Q21**
- 99 Refused **SKIP TO Q21**

**Q20A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

- 05 Individual
- 06 Group

**Q21. IF RESPONSES TO Q11-Q20 ARE ALL "DON'T KNOW" OR "REFUSED", THEN ASK:** Could you estimate the **total** amount that was spent for the trip?

- 00 Zero/Nothing **SKIP TO Q22**
- 01 Record amount
- 98 Don't Know **SKIP TO Q22**
- 99 Refused **SKIP TO Q22**

**Q21A. If Q10 > 1, then ask:** And was that your individual expenses or the group's expenses?

- 07 Individual
- 08 Group

**Q22.** On an annual basis, how much do you usually spend on mooring, storage, maintenance, and insurance for your fishing boat? [If the respondent owns more than one boat that is used for saltwater fishing, ask about the boat that is used the most.]

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

For the next several questions, I'd like you to think about fishing equipment that you purchased during the last 60 days.

**Q23.** How much did you spend on rods, poles, reels, and lines?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q24.** How much did you spend on tackle and gear (lures, hooks, leaders, sinkers, flies, and fly-tying supplies/tackle boxes, landing nets, bait containers, minnow seines, knives?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q25. IF Q23 AND Q24 ARE "DON'T KNOW" OR "REFUSED" ASK:** Could you tell me the total amount that was spent for fishing equipment purchases during the last 60 days?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

And we're interested in how much you spent for several items purchased during the last 60 days, where the items were purchased **primarily** for use in saltwater recreational fishing. Some of these next items that I'll ask about are multi-purpose items which could be used for other things in addition to salt water recreational fishing. Please limit your responses to items purchased **primarily** for saltwater recreational fishing, even if you use them for other things.

**Q26.** During the last 60 days, how much did you spend on camping equipment (such as sleeping bags, packs, tents) primarily used for saltwater recreational fishing?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q27.** During the last 60 days, how much did you spend for binoculars, field glasses, or similar equipment?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q28.** During the last 60 days, how much did you spend for special fishing clothing such as foul weather gear, boots, and waders?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q29.** During the last 60 days, how much did you spend on processing and taxidermy fees?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q30.** During the last 60 days, how much did you spend on subscriptions to magazines devoted to recreational fishing.

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q31.** During the last 60 days, how much did you spend on dues or contributions to national, state or local recreational fishing clubs or organizations.

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q32.** During the last 60 days, how much did you spend on saltwater fishing licenses or fees.

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q33.** During the last 60 days, how much did you spend on any other miscellaneous expenses for items which you primarily use for saltwater recreational fishing that were not listed elsewhere?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q34. IF Q26-Q33 ARE ALL "DON'T KNOW" OR "REFUSED" ASK:** Could you tell me the total amount that was spent for these types of items during the last 60 days, where the items were purchased **primarily** for saltwater recreational fishing?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

The last set of questions concerns new boats and durable equipment that were purchased to be used **primarily** for saltwater recreational fishing during the last 12 months. Again, please limit your responses to items purchased **primarily** for saltwater recreational fishing, even if you use them for other things.

**Q35.** During the past 12 months, how much did you spend on new motor boats or motor boat accessories, including hull, motor and accessories?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q36.** During the past 12 months, how much did you spend to purchase a canoe or other non-motor boat?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q37.** During the past 12 months, how much did you spend to purchase a depth/fish finder or other electronic fishing devices?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q38.** During the past 12 months, how much did you spend to purchase vehicles (such as pickup, camper, RV, motor home, or trailer/hitch) used primarily for saltwater recreational fishing?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q39.** During the past 12 months, how much did you spend to purchase a second home used primarily for saltwater recreational fishing?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q40. IF Q35-Q39 ARE "DON'T KNOW" OR "REFUSED" THEN ASK:** Could you tell me the total amount that was spent for durable fishing equipment purchases such as these during the last twelve months?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q41.** Compared to your other recreational activities such as golfing, hiking, hunting and tennis, would you rate fishing as... [Read list]

- 01 Your most important recreational activity
- 02 Your second most important recreational activity
- 03 Only one of many recreational activities
- 98 DK
- 99 Refused

**Q42.** Do you usually keep some of the fish you catch?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused

**Q43. IF STATE OF TRIP IS SAME AS STATE OF RESIDENCE, THEN ASK:** If conservation measures were implemented in [STATE OF RESIDENCE] that prohibited marine recreational anglers from keeping fish, though catch and release would be allowed, would you [read list]:

- 01 Travel to another state to fish,
- 02 Continue fishing in [STATE OF RESIDENCE] even though you could not keep any of the fish you caught,
- 03 Continue fishing in [STATE OF RESIDENCE] even though you could not keep any of the fish you catch, but spend more of your money on other recreational activities within [STATE OF RESIDENCE],
- 04 Stop fishing in [STATE OF RESIDENCE] but spend your money on other recreational activities within [STATE OF RESIDENCE],
- 05 Other (specify)
- 98 Don't know
- 99 Refused

**That's all the questions I have for you. Thank you very much for your time and assistance.**

## **ATTACHMENT 10**

### **Instrument for Economic Intercept Follow-Up Mail Survey.**

This mail survey component of the Marine Recreational Fishery Statistics Survey (OMB No. 0648-0052) is being conducted for the purpose of obtaining accurate representation of the extent to which marine recreational anglers value opportunities to fish for summer flounder. Information collected will be used to estimate the net values of possible changes in the management restrictions set on angler catches of summer flounder.

Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100. Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

Public reporting burden for this Survey (OMB No. 0648-0052) is estimated to average 15.0 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to:

Fisheries Statistics and Economics Division, F/ST1  
Office of Science and Technology  
National Marine Fisheries Service  
1315 East-West Highway, Room 12455  
Silver Spring, MD 20910.

## PART I.

1. I would like to ask you some questions about the types of saltwater fish you primarily target. Indicate the fish you have targeted over the past year. Place an **X** in the appropriate box **for each species**.

	Never Target	Rarely Target	Frequently Target	Always Target	Does Not Apply
<b>Striped Bass</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Bluefish</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Summer Flounder</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Black Sea Bass</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Cod</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Weakfish</b> (Spotted Sea Trout) (Squeateague)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Tautog</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1a). Do you target any other fish not listed above? If so, please write them in the space provided.

2. During the past two months, how many days have you been fishing in:

\_\_\_\_\_ Freshwater

\_\_\_\_\_ Saltwater (please do not include days spent shellfishing)

3. During the past two months, how many days have you been saltwater fishing in:

\_\_\_\_\_ Beach or bank

\_\_\_\_\_ Pier, bridge, or jetty

\_\_\_\_\_ A boat owned by you or a friend

\_\_\_\_\_ A charter, party, or head boat

4. Now I would like to ask you some questions about your preference for keeping and releasing the fish you catch. Place an **X** in the appropriate box **for each species**.

	I keep all I'm legally allowed to keep	I keep most of what I'm legally allowed to keep	I release most of what I am legally allowed to keep	I release all of what I am legally allowed to keep	Does Not Apply
Striped Bass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bluefish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Summer Flounder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Black Sea Bass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cod	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weakfish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Spotted Sea Trout)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Squeateague)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tautog (Blackfish)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. People choose to release some of the fish they **could have legally kept** for many reasons. Below is a list of reasons that may describe why you choose to release the fish you catch. Please indicate whether you agree or disagree place an **X** in the appropriate box **for each statement**.

	Agree	Somewhat Agree	Somewhat Disagree	Disagree	Undecided
You release some fish you could have legally kept because you don't like to eat some types of fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
You release some fish you could have legally kept because some of the fish are too small to be worth keeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
You release some fish you could have legally kept after you have caught what you plan to eat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
You release some fish you could have legally kept for conservation reasons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
You release some fish you could have legally kept for the sport of catching and releasing fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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6. Do you own a boat that is sometimes used for saltwater recreational fishing?

Yes ☐ No ☐

If you answered no in question 7, please skip to question 9.

7. Is your boat trailered?

Yes ☐ No ☐

If you answered yes in question 8, please skip to question 9.

8. In what state and county do you moor your boat?  
State: \_\_\_\_\_ County: \_\_\_\_\_

***Now I would like to find out about your preferences for conservation measures for the species you typically fish for.***

9. Please indicate whether you support or oppose the following conservation measures. Place an **X** in the appropriate box **for each conservation measure**.

	Support	Somewhat Support	Somewhat Oppose	Oppose	Undecided
Limits on the MINIMUM size of fish you can keep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limits on the MAXIMUM size of fish you can keep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limits on the number of fish you can keep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limits on the times of year when you can keep the fish you catch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limits on the areas you can catch fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Keeping fish within a certain length range, but releasing the fish below or above this range (slot limit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limiting the types of bait/gear that can be used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placing a harvest moratorium/closure on a species if the population level is considered low enough	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. People might do not always support recreational fishing regulations for a variety of reasons. Please indicate whether you agree, somewhat agree, or disagree by placing an **X** in the appropriate box **for each reason**.

	Agree	Somewhat Agree	Somewhat Disagree	Disagree	Undecided
Regulations are too confusing. Not sure whether state or federal regulations apply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regulations are not needed because populations of fish are not in trouble	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial fishing takes too many fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Catching and voluntarily releasing fish (ie. catch-and- release) is one way recreational anglers can conserve stocks without additional regulations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fishing is an important source of food for me and I can not afford to throw back fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regulations that force me to release fish cause mortality anyway- especially when trying to free deeply hooked fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PART II.

Fisheries managers can often choose among different management options (for example, bag or size limits) to achieve the same biological objectives. Your answers to the next set of questions will inform managers about your preferences for fishery management options.

I would like to ask you some questions about the types of fishing trips you prefer. For each question, I'll describe three trips to you and ask you to tell me which one you would choose.

### Definitions

***Bag limit for summer flounder-*** The most summer flounder an angler can legally keep per day of fishing.

***Minimum size limit for summer flounder-*** Summer flounder smaller than a minimum size limit must be released.

***Cost of traveling to a site-*** Includes gas, wear and tear on your vehicle and other expenses you might have from traveling to and from a fishing access site (such as tolls, ferry fees, and parking fees). This cost also includes expenses for food, ice, and fishing equipment used on this trip. The cost **does not** include guide or boat fees.

***Likely total catch of summer flounder-*** Anglers never know exactly how many summer flounder they will catch when they take a trip. However, they often have an idea of how many fish they are likely to catch.

***Likely number of summer flounder of legal size-*** Anglers also are never sure of the size of summer flounder they will catch. However, they often might be aware of differences in locations that might lead to differences in the sizes of fish caught.

***Likely fishing success for all other species-*** When taking a trip, anglers might also be interested in catching species besides summer flounder. Fishing success refers to the expected number of fish caught for all other species that you might encounter for a typical trip in your area.

**Even if you don't fish for summer flounder, your answers to these questions will help us understand what is important to anglers when choosing saltwater trips.**

**For other important factors not mentioned (such as weather and scenic beauty), please assume that they are the same across all trips.**

11. Suppose **last August** that you could have chosen **only** from the recreational opportunities described below. Please review the trip descriptions and answer the two questions at the bottom of the table.

	Trip A	Trip B	Trip C
Cost of traveling to the site	\$ 5	\$ 5	
Likely catch of summer flounder	2 fish	8 fish	
Size limit for summer flounder	14 inches	15 inches	Do something else, but not take a saltwater fishing trip.
Bag limit for summer flounder	6 fish	1 fish	
Likely number of summer flounder of legal size	1 fish	0 fish	
Likely fishing success for all other species	Average	Above Average	
<b>11a) Which trip do you MOST prefer?</b> (Please check <b>only one</b> box.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>11b) Which trips would you SERIOUSLY consider taking?</b> (Please check <b>all</b> that apply.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Suppose **last August** that you could have chosen *only* from the recreational opportunities described below. Please review the trip descriptions and answer the two questions at the bottom of the table.

	<b>Trip A</b>	<b>Trip B</b>	<b>Trip C</b>
Cost of traveling to the site	\$ 5	\$ 5	Do something else, but not take a saltwater fishing trip.
Likely catch of summer flounder	2 fish	8 fish	
Size limit for summer flounder	14 inches	15 inches	
Bag limit for summer flounder	6 fish	1 fish	
Likely number of summer flounder of legal size	1 fish	0 fish	
Likely fishing success for all other species	Average	Above Average	
<b>12a) Which trip do you MOST prefer?</b>  (Please check <i>only one</i> box.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>12b) Which trips would you SERIOUSLY consider taking?</b>  (Please check <i>all</i> that apply.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. Suppose **last August** that you could have chosen *only* from the recreational opportunities described below. Please review the trip descriptions and answer the two questions at the bottom of the table.

	<b>Trip A</b>	<b>Trip B</b>	<b>Trip C</b>
Cost of traveling to the site	\$ 5	\$ 5	Do something else, but not take a saltwater fishing trip.
Likely catch of summer flounder	2 fish	8 fish	
Size limit for summer flounder	14 inches	15 inches	
Bag limit for summer flounder	6 fish	1 fish	
Likely number of summer flounder of legal size	1 fish	0 fish	
Likely fishing success for all other species	Average	Above Average	
<b>13a) Which trip do you MOST prefer?</b>  (Please check <i>only one</i> box.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>13b) Which trips would you SERIOUSLY consider taking?</b>  (Please check <i>all</i> that apply.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. Suppose **last August** that you could have chosen **only** from the recreational opportunities described below. Please review the trip descriptions and answer the two questions at the bottom of the table.

	Trip A	Trip B	Trip C
Cost of traveling to the site	\$ 5	\$ 5	Do something else, but not take a saltwater fishing trip.
Likely catch of summer flounder	2 fish	8 fish	
Size limit for summer flounder	14 inches	15 inches	
Bag limit for summer flounder	6 fish	1 fish	
Likely number of summer flounder of legal size	1 fish	0 fish	
Likely fishing success for all other species	Average	Above Average	
<b>14a) Which trip do you MOST prefer?</b>  (Please check <b>only one</b> box.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>14b) Which trips would you SERIOUSLY consider taking?</b>  (Please check <b>all</b> that apply.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Different types of anglers may have different preferences for fisheries management. The following basic demographic questions will help fishery managers better tailor their policies for people like you. **All responses are confidential.***

15. What is your gender?

- ☐ Male
- ☐ Female

16. What is your ethnic background? (Please check one)

- ☐ White
- ☐ Black/African American
- ☐ Hispanic/Spanish
- ☐ Asian/Pacific Islander
- ☐ American Indian
- ☐ Other: \_\_\_\_\_

17. What is the highest level of education you have achieved? (Please check one)

- ☐ Did not graduate high school
- ☐ High school graduate or GRE completion
- ☐ 2 Year degree or trade school
- ☐ Attended College
- ☐ 4 Year Degree
- ☐ Masters Degree (for example MA, MS, or MBA)
- ☐ Professional or Doctoral Degree (for example MD, DDS, JD, PhD, or Ed D)

18. What best describes your employment status? (Please check all that apply)

- ☐ Employed full time (including self-employment)
- ☐ Employed part-time (including self-employment)
- ☐ Full time home-maker
- ☐ Retired
- ☐ Student (part-time)
- ☐ Student (full-time)
- ☐ Unemployed
- ☐ Other

19. Was this survey completed by the person to whom it was mailed?

- ☐ Yes
- ☐ No

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We welcome any additional comments you would like to share with us. Please feel free to write in the space provided below.

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Your contribution to this study is greatly appreciated. Please return the completed questionnaire in the attached postage paid envelope as soon as possible.

You may receive a summary of results by writing “copy of results requested” on the back of the return envelope, and printing your name and address below it. Please do not put this information on the questionnaire itself.

## ATTACHMENT 11a.

### In-Person Survey Instrument for Open Party and Charter Recreational Fishing Vessels

**Read the following:** Your participation in this survey is voluntary. Your responses will be treated as confidential records under the Privacy Act of 1974 and NOAA Administrative Order 216-100.

1) **Vessel Name and ID** [we provide and confirm with interviewee] \_\_\_\_\_

#### **Characteristics of Firm**

2.1) Does the owner generally operate this vessel? Y / N

2.2) Does this firm own vehicles or buildings that are used primarily for the charter business? Y / N

2.2 a) If yes, what is the total estimated current market value of these assets combined?  
\$ \_\_\_\_\_

2.3. Did the owner of this vessel own other charter or open party vessels in 2000? Y / N

If yes, please fill in the tables below for those 2000 costs shared by more than one vessel. If no, proceed to 2.4.

#### **Characteristics of other Vessels**

Vessel Name	Vessel ID	Port	Length	Gross Tons
b) _____				
c) _____				
d) _____				
e) _____				

#### **Multi-vessel costs in 2000**

f) Advertising	\$ _____
g) Professional services (legal, accounting, etc.)	\$ _____
h) Association fees	\$ _____
i) Telephones	\$ _____
j) Other office expenses	\$ _____

- k) Labor for shorebased personnel \$ \_\_\_\_\_
- l) Rent or payment for motor vehicles \$ \_\_\_\_\_
- m) Other \$ \_\_\_\_\_

2.4) If only one vessel is owned, or if any of the costs listed above can be attributed only to the vessel identified at the beginning of this survey in Item 1, please fill in the following table.

Single vessel costs in 2000

- a) Advertising \$ \_\_\_\_\_
- b) Professional services (legal, accounting, etc.) \$ \_\_\_\_\_
- c) Association fees \$ \_\_\_\_\_
- d) Telephones \$ \_\_\_\_\_
- e) Other office expenses \$ \_\_\_\_\_
- f) Labor for shorebased personnel \$ \_\_\_\_\_
- g) Rent or payment for motor vehicles \$ \_\_\_\_\_
- h) Other \$ \_\_\_\_\_

2.5) In what State and County does the principal owner reside? \_\_\_\_\_

**3) Characteristics of Vessel** (we provide and confirm with interviewee)

- a) Length overall (ft) \_\_\_\_\_ feet
- b) Gross registered tons \_\_\_\_\_ tons
- c) Year built (hull) \_\_\_\_\_
- d) Horsepower of main engines \_\_\_\_\_ hp
- e) Type of fuel \_\_\_\_\_
- f) Cruising speed (knots) \_\_\_\_\_ knots
- g) Passenger capacity \_\_\_\_\_
- h) Market value with permits \$ \_\_\_\_\_
- i) Market value without permits \$ \_\_\_\_\_
- j) Cost of vessel when purchased by present owner \$ \_\_\_\_\_
- k) Year purchased \_\_\_\_\_

### **Annual Information for Vessel in 2000**

4.1) In what Port did the boat conduct most of its activities? \_\_\_\_\_

#### **4.2) Annual Expenditures**

- a) Haulout \$ \_\_\_\_\_
- b) Engine overhaul \$ \_\_\_\_\_
- c) All other vessel maintenance \$ \_\_\_\_\_
- d) Electronics maintenance \$ \_\_\_\_\_
- e) Moorage \$ \_\_\_\_\_
- f) Insurance \$ \_\_\_\_\_
- g) Fuel \$ \_\_\_\_\_
- h) Supplies \$ \_\_\_\_\_
- i) Fees paid to foreign or domestic governments \$ \_\_\_\_\_
- j) Landing taxes (if any) \$ \_\_\_\_\_
- k) Food and drink (for crew and passengers, if supplied by the vessel) \$ \_\_\_\_\_
- l) All payments to skipper and crew (wages, shares, salaries, bonuses, and benefits) \$ \_\_\_\_\_
- m) All commissions paid for booking trips \$ \_\_\_\_\_
- n) Payments for bait (including commissions where relevant) \$ \_\_\_\_\_
- o) Mortgage payments \$ \_\_\_\_\_  
Purchase of gear or equipment (include electronics, deck gear, engines, angling equipment, etc.):
- p) Replacement \$ \_\_\_\_\_
- q) Upgrades \$ \_\_\_\_\_

#### **4.3) Annual revenue**

- a) Total receipts from all vessel activities in 2000 \$ \_\_\_\_\_
- b) % of vessel receipts from recreational angling trips, including receipts for gear rental, food, etc.) \_\_\_\_\_ %
- c) % of vessel receipts from other charter activities such as whale watching, dive trips, burials at sea, etc. \_\_\_\_\_ %
- d) % receipts from other sources (commercial fishing, tendering, etc.) \_\_\_\_\_ %

4.4) Other annual information

a) Number of full-time employees

\_\_\_\_\_

b) Number of part-time or seasonal employees

\_\_\_\_\_

c) Full-time equivalence of part-time and seasonal employees

\_\_\_\_\_

**ATTACHMENT 11b**  
**California Party/Charter Boat Economic Questionnaire**

Vessel  
Name \_\_\_\_\_

Vessel  
No. \_\_\_\_\_

Randomly  
Selected  
Trip Day: \_\_\_\_\_

(A. No trips made this day or later in week - If respondent did not take a trip with paying passengers on the designated day or later in the survey week, please check this box and leave remainder of form blank.) ☐

(B. Trip Number – The sequential number of this trip from effort form. \_\_\_\_\_ (Use a separate form for each trip that ended on the selected trip day)

Intro. Now I would like to ask you some additional questions to collect costs and earnings information about your trip(s) that ended on (date). (RECORD ACTUAL DATE SURVEYED:) \_\_\_\_\_

1. (Party Boat:) Average Passenger Fare – “What was the average fare for one passenger on this partyboat trip?  
\$ \_\_\_\_\_  
OR

2. (Charter Boat:) Charter Boat Fee – “What was the total cost of the charter?” \$ \_\_\_\_\_

3. Landing Owns Vessel – “Is this vessel owned by the landing?” ☐ yes ☐ no

4. Commission Paid to Landing Office – “Was a commission paid to a landing office for this trip?”  
☐ yes (CONTINUE) ☐ no (SKIP TO Q6)

(IF YES:) “In dollars or as a percentage of receipts (fares), how much was that commission?”  
\$ \_\_\_\_\_ OR \_\_\_\_\_ % of receipts

5. Services included in Commission – “Were fees for booking passengers, moorage, or other services included in the commission?”  
☐ booking fees ☐ moorage ☐ other (SPECIFY) \_\_\_\_\_

6. Other Vessel Receipts – “Excluding passenger fares and charter fees, what were the other vessel receipts for the trip? Please include tackle sales, gear rental, and vessel sales of food or drink.” \$ \_\_\_\_\_

7. Crew Size – “How many crew, including the skipper, that were on board for this trip?” \_\_\_\_\_

8. Skipper & Crew Payments – “What was the total amount paid by the vessel to the crew and the skipper for this trip?” \$ \_\_\_\_\_

9. Estimated Food & Drink Sales by Crew – “Did the crew sell food and drink to passengers?”  
☐ yes (CONTINUE) ☐ no (SKIP TO Q10B)  
(IF YES:) “How much would you estimate were the receipts the crew received for food & drink they sold?”  
(If vessel sold food & drink, enter zero.) \$ \_\_\_\_\_ (NOW GO TO Q10A)

10. Cost of Food & Drink Purchases to Crew/Vessel–  
A. “How much would you estimate was the cost of food and drink that were sold by the crew?”  
\$ \_\_\_\_\_  
B. “How much would you estimate was the cost of food and drink that were sold by the vessel?”  
\$ \_\_\_\_\_

11. Gallons of fuel used this trip – “How much fuel was used on this trip?” \_\_\_\_\_ gallons

12. Trip fuel cost – “What price per gallon was paid for the fuel?” \$ \_\_\_\_\_ per gallon

13. Bait Usage – “How much bait, measured in either scoops or pounds, was taken/used on this trip?”  
\_\_\_\_\_ scoops or \_\_\_\_\_ lbs.

14. Bait Cost – “In dollars or as a percentage of receipts (fares), how much did you pay for bait taken/used on this trip?” \$ \_\_\_\_\_ or \_\_\_\_\_ %

15. City/County Taxes – “In dollars or as a percentage of receipts (fares), how much was paid to the city or county in taxes for this trip? Do not include annual permits or fees or any sales taxes.”  
\$ \_\_\_\_\_ or \_\_\_\_\_ %

16. Foreign License Fees (IF OCEAN FISHING IN MEXICAN WATERS:) – “How much was paid to the Mexican government for licenses and other expenses associated with this trip? Do not include annual permits or fees.” \$ \_\_\_\_\_